

Dr. Prafulla Kumar Das.

Ph.D., M.Sc., B.Ed.

Associate Professor & Head

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(Affiliated to the West Bengal State University)

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Teaching & Research Experience: working as an Associate Professor in Mathematics at Barasat College from 05/05/2010 to till date. Previously served as a Reader in Mathematics at Basirhat College from 09/01/2001 to 04/05/2010. Previously worked as an Assistant teacher in Mathematics at Barasat M.G.M. High School (H.S.) from the period 25/06/1997 to the period 08/01/2001, also worked as a guest Lecturer in Mathematics at Sarada Ma Girls' College from the period 2006 to the period 2011

Worked as Junior Research Fellow in the Department of Applied Mathematics, Calcutta University from the 05/04/1994 to the period 26/06/1997 under the supervision of Prof. S.S.De. Acted as an External Examiner for evaluation of a thesis entitled " **Some Epidemic Models in Population Dynamics** ' submitted by Shri Ruhinikumar Singh for award of Ph. D. degree in the University of Manipur.

Research Projected Completed: Study of Simple Deterministic & Stochastic Epidemic Model of SIR type.

Funding Agency: UGC Minor Research Project(University Grant Commission, India).

Tenure: November 2009 to April 2011 (18 Months)

Education:

2005: Ph.D. Title of the thesis: Some Stochastic and Deterministic Epidemic Models, in the Department of Applied Mathematics, University Of Calcutta

1993: B.Ed. in the year 1993, New Barrackpore B.Ed. College, University of Calcutta.

1992: M.Sc. in Applied Mathematics, University of Calcutta.

1990: B.Sc.(Math. Hons.) from Ramkrishna Mission Vivekananda Centenary College, Rahara, University of Calcutta.

Award & Achievements: Awarded of UGC Junior Research Fellowship in Science in the UGC Research Scheme during 1994-95 in the Department of Applied Mathematics, Calcutta University.

GATE qualified in the year 1993.

NET qualified in the year 1998

Membership of educational Institute: Life member of Indian Stastical Institute , Kolkata since 19/12/2005 and Life Member of Calcutta Mathematical Society w.e.f 19/12/2005.

List of publication:

1. Deterministic and Stochastic Models for Spreading Two Species population by S.S. De and P.K. Das-Istanbul Univ.Fen.Fak.Mat.Dergisi, Vol.55-56(145-163). 1996-1997
2. A Stochastic Epidemic Model by P.K.Das and S.S. De- Istanbul Univ.Fen.Fak. .Mat.Dergisi, Vol.55-56(165-177). 1996-1997.
3. A Stochastic Model for Host –Vector epidemic System. By P.K. Das and S.S.De. Bull. Cal.Math. Soc. Vol.(9-22) 1997.
4. Quantitative study on Out-Break of encephalitis in Greater Calcutta by P.K.Das and S.S. De, Bull . . Cal.Math. Soc. Vol.90(361-366), 1998,ISSN-0008-0659
5. A Susceptible- Infected- removal(SIR) Epidemic Model by P.K.Das and S.S.De, indianJ. Pure and appl. Math. Vol.31(7)(783-795) 2000, ISSN-0019-5588.
6. A Study of Out-Break of Measles epidemic in Greater Kolkata by P. K. Das and S.S.De-- Istanbul Univ.Fen.Fak. .Mat.Dergisi, Vol.1(1-12) 2004-2005. ISSN-1300-0713.

Professional Course completed:

1. Training -**Cum-Workshop on UNIX/C** organized by the University Computer Centre, during January31 to February 24,1995
2. **UGC- Sponsored** Orientation Program OP-56 from October17,2003 to November 18,2003 organized by Academic Staff College, University of Calcutta.
3. **UGC- Sponsored** Refresher course in the subject Mathematics from December01 to December21, 2004 organized by Academic Staff College, University of Calcutta.

4. **UGC- Sponsored** Refresher course in the subject Mathematics from November 06 to November 25, 2006 organized by Academic Staff College, University of Calcutta.
5. **UGC- Sponsored** Refresher course in the subject Mathematics from September 08 to Sept. 27, 2008 organized by Academic Staff College, University of Calcutta
6. **UGC- Sponsored** Refresher course in the subject Mathematics from August 06 to August 29, 2012 organized by Academic Staff College, University of Calcutta.
7. **UGC- Sponsored** Special Summer School, 2014 on Science & Technology: Biomedical, Engineering & Environmental Issues" from 12th June to 2nd July 2014 organized by Academic Staff College, University of Calcutta.

Governance Responsibilities Served:

To acted as an Subject –Expert of the west Bengal Madrasah Service Commission at the Personality Test Board under the 2nd State Level Selection Test, 2008 on the dated 03/07/09.

To acted as an Examiner in Mathematics(Pass/H/PG) for State Level Selection Test 2008 conducted by the West Bengal Madrasah service Commission on the dated 16/02/2009.

To acted as an Examiner in General Studies(Pass/H/PG) for State Level Selection Test(Under Graduate teacher) 2008 conducted by the West Bengal Madrasah service Commission on the dated 19/03/2009.

To acted as an Examiner in Mathematics under the 10th RLST(AT)-2009 for recommendation to the post of Assistant teacher in non-Govt. aided School on the dated 23/10/2010 conducted by West Bengal Regional School Service Commission.

To acted as an Observer of Nilgunj Sikshayatan High School(Venue) in connection with the Preliminary Examination conducted by the West Bengal Regional School Service Commission on the dated 29/08/2010.

To acted as a Jury of **INSPIRE Award** to identify best exhibit participated for evaluation for State Level Exhibition on the dated 19/08/2010

To acted as an Observer for the Venue Basirhat College in connection with conduct of the Examination under 12th RLST(AT)-11 to be held on 29/07/2012 conducted by the West Bengal Regional School Service

Commission.

To acted as an Observer for the Venue Banamalipur Priyanath institution in connection with conduct of the Examination under 12th RLST(HM)-12 to be held on 17/02/2013 conducted by the West Bengal Regional School Service .

To acted as an Examiner of Mathematics for **JECA-2012**, the Joint Entrance Examination for admission to the **Master of Computer Application(MCA)** for the session 2012-13.

To acted as the Teacher-in-Charge of Barasat Mahatma Gandhi Memorial High School (H.S.), P.O. Nabapally for organizing **District Level Youth Parliament Competition** for the year,2012-2013.

Seminar/ Workshop attended/presented:

1. Presented a Paper entitled” **A Mathematical Model for Epidemic Diseases in Calcutta**” in National Conference on **Mathematical Modelling of Biological, Ecological and Environmental Systems** held on 26-28 March,1999 organized by Centre for Mathematical Biology and Ecology, Department of Mathematics, Jadavpur University.
2. Participated in the symposium on **Information and Optimisation** held on 31/12/2001 &01/01/2002 organized by Department of Applied Mathematics, University of Calcutta.
3. Participated in the Colloquium on **Complex Systems Theory** on held on 14-15 February 2002 organized by Department of Applied Mathematics, University of Calcutta.
4. Participated in the seminar on “**Trends in Higher Education in India after Liberalization**” held on 25/07/2002 at Archya Prafulla Chandra College.
5. Participated in the **UGC sponsored** State Level Seminar on **Mathematics –What it is not**, organized by the department of Mathematics of Sree Chaitanya College on 29th March,2003.
6. Participated in the **UGC sponsored** one day State Level Seminar on” **War- A Threat to Civilisation And Human Progress** organized by Basirhat College on 14th December 2004.
7. Participated in the seminar on “ **The Newly Proposed Examination System of Calcutta University**” at Sarojini Naidu College for Women held on 4th October, 2005.
8. Participated in the **UGC sponsored** one day State Level Seminar on” **Energy, Environment and Sustainable Development** organized by Dinabandhu Mahavidyalaya on 9th February,2005.
9. Participated in the one day symposium on” **Mathematical Biology in the Perspective of Modern Trends**” held on February 16th ,2005 organized by Department of Applied Mathematics, University of Calcutta

10. Participated in the **UGC sponsored Second National Workshop on Techniques in Applied Mathematics** held in the Department of Applied Mathematics during June 20-28, 2006.
11. Participated and presented a paper in the National Seminar **on Recent Advances in Operational Research and Related computational aspects** sponsored by DSA Programme of UGC held during August 22-23, 2007 at the Department of Applied Mathematics, University of Calcutta.
12. Participated in the Seminar **on Recent Trends on Using Composite & Nanomaterials and Advances in Fracture Mechanics and Related Computational Aspects** sponsored by DSA Programme of UGC held on 31st March 2008 at the Department of Applied Mathematics, University of Calcutta.
13. Participated in the seminar on “**Vision of a New University**” at Rishi Bankim Chandra College on 11th April, 2008.
14. Participated in the **UGC sponsored State Level Workshop on Discrete Mathematics and Mathematical Modelling Introduced in U.G. Syllabus** organized by Department of Mathematics, Raja N.L. Khan Womens’ College during 22nd & 23rd April, 2008.
15. Participated in the **UGC sponsored State Level Seminar on Higher Education and Employment** held at Malda College on 15th November, 2008.
16. Participated in the One Day Colloquium **on Mathematical Biology and Ecology** held on 20th February, 2009 organized by the Centre for Mathematical Biology and Ecology, Department of Mathematics, Jadavpur University.
17. Participated in the National Conference on Mathematical Sciences and Applications: State of Art held during 14-16 January, 2010 organized jointly department of Mathematics and the Centre for Mathematical Biology & Ecology, Jadavpur University.
18. Participated in the National Seminar on **Role of Mathematical Analysis and Models in Science and Society** held during 17-18 March, 2010 organized by Department of Mathematics, University of Kalyani.
19. Participated and presented a paper **in International Conference on Recent Development in Mathematical Sciences and their Applications** organized by Calcutta mathematical Society held on 09-11, December, 2010
20. Participated in the National Conference **on Theoretical Biology and Biomathematics** held during 15th & 16th December 2010 at the Department of Mathematics, Jadavpur University.
21. Participated in the National Seminar on **Analysis Modelling and Geometry** held on 10-11 March, 2011 organized by the department of Mathematics, University of Kalyani.
22. Participated in the **UGC sponsored Seminar on Modern Trends of Mathematical Applications in Biological and Other Systems** held on September 7, 2011 organized by

Department of Mathematics, Ramkrishna Mission Vivekananda Centenary College,
Rahara.

23. Participated in one day Workshop on **UG-CBCS Curriculum in Mathematics** held on 15th March, 2018 organized by Department of Mathematics, West Bengal State University.
24. Participated in National Level Workshop on **Analysis, Algebraic, Geometry, Number Theory and Probability** held on February 23 & 24, 2019 organized by Department of Mathematics, Ramkrishna Mission Vivekananda Centenary College, Rahara.

Invited Lectures:

Invitation for special Lecture on “**Business Mathematics & Statistics**” on 04/01/2012 at Naba Barrackpur Prafulla Chandra Mahavidyalaya.

Invitation I Lecture on “**Numerical Analysis**” on 22/09/2016 at Panihati Mahavidyalaya.

Interest in Mathematical Biology, Vedic Mathematics, History in Mathematics.

Prafulla Kr. Das.