



## Dr. Arijit Ghosh

Designation: Assistant Professor  
HOD, Department of Business Mathematics and Statistics,  
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Qualification: M.Sc., Ph.D., MBA, GDOR, Qualified UGC NET(JRF)

Dr. Arijit Ghosh is currently the HOD of Department of Business Mathematics and Statistics at St. Xavier's College (Autonomous), Kolkata. Dr. Ghosh has received his Ph.D (Science) from Jadavpur University, Kolkata for his contribution in the field of Optimization. Dr. Ghosh's current research is focused on the application of optimization techniques in the field of finance. With an overall teaching experience spanning 14 years in higher education, Dr. Ghosh has been associated as an accomplished professor of Business Mathematics & Statistics, Research Methodology and Operation Research in St. Xavier's College(Autonomous), Kolkata. He served as a resource person in other reputed institutions such as The Institute of Chartered Accountants of India, Kolkata, The Army Institute of Management, Kolkata, JIS College of Engineering, Kalyani to name a few. Dr. Ghosh has published several research papers in various national and international peer reviewed refereed journals of repute. He participated and presented papers in various national and international conferences. Apart from academic interests he has interest in various extra and co-curricular activities. He writes poems, plays harmonica and exhibited photographs on various exhibitions.

### Achievements (Academic): -

- Received “**Best research paper**” of “Finance track” award at J. D. Birla Management Conference held on 8<sup>th</sup> April 2016 organised by J D Birla Institute in association with BSE Institute Ltd.
- Received “**Best Application Paper Award**” at the 45<sup>th</sup> Annual Convention of Operational Research Society of India (ORSI) held in Kolkata during December 20-22, 2012.
- Received “**Best research paper**” of “Finance track” award at the three day International Conference on Business and Information Management(ICBIM-2012) jointly organized by Department of Computer Application, Humanities and Social Science & Management Studies of National Institute of Technology, Durgapur, India during January 9-11 2012.
- Qualified joint CSIR-UGC NET and awarded JRF by UGC.

### Membership of Academic/ Research/ Professional bodies:

- Life member of Indian Statistical Institute.
- Life member of Operational Research Society of India.
- Life member of Calcutta Mathematical Society.

### Summer or winter school / workshop / orientation/ refresher courses attended:

- Inter Disciplinary Refresher Course on Advances in Instrumentation and Automation: Role of ICT from 3.12.18 to 22.12.18 organised by UGC-Human Resource Development Centre, Jadavpur University and awarded Grade A.
- Orientation programme from 27.08.18 to 26.09.18 organised by UGC-Human Resource Development Centre, Jadavpur University and awarded Grade A.
- Seven Day Workshop on Advance Research Methods and Data Analysis” from 4.6.17 to 10.6.17 at NIT, Durgapur.

- Summer School on Research Methodology: Application of Econometrics and Statistics from 23.5.16 to 29.5.16 at NIT, Durgapur.
- Refresher Course in mathematics & Statistics from 24.06.13 to 13.07.13 at Academic Staff College, Himachal University, Shimla and awarded Grade A (75% and above).
- Orientation programme for Academic Administrators/College and University Teachers & Librarians from 19.11.12 to 17.12.12 at Jadavpur University, Salt Lake, Kolkata-700098 and awarded Grade A (75% and above).
- Workshop on case writing, teaching and research organized by Indian Institute of Management Calcutta Case Research Centre (IIMCCRC) during June 14-15, 2012.
- Winter school on “Recent trends in Mathematical Methods” organized by Department of Applied Mathematics, University of Calcutta during 14-21 Dec’2011.
- Thirty Hours Workshop on SPSS at St. Xavier’s College (Autonomous), Kolkata during Dec’ 2010 to Jan’ 2011.
- Short term course on Statistical Modeling for Data Analysis (SMDA2010) held at IIT, Kharagpur, during Dec 20-26, 2010.
- CARISMA-IIM CALCUTTA WORKSHOP on Optimization Methods and its Financial Applications, High Frequency Finance held during Mar 10-13, 2010 at Financial Research and Trading Lab, IIMC campus.

**Publications in peer reviewed, refereed national / international journal:**

- A paper entitled “Analyzing Technical Efficiency of Indian General Insurance Companies Using DEA” in UGC recognized journal no: 41311 Research Chronicle, Multidisciplinary International research Journal, Volume VI, Issue IX, page 15-21, September 2018, Print ISSN 2347-5021, Online ISSN 2347-503X.
- A paper entitled “Technical Efficiency Measurement of Indian Banking companies: An Investigation using DEA and Super Efficiency Model” in Lecture Notes on Information Technology (LNIT) Vol. 2, No. 3, page 273-278, September 2014 with ISSN 2301-3788.
- A paper entitled “Indian Automobile Companies’ Financial Efficiency Measurement: An Investigation Using Super Efficiency and Factor Analysis” published in Global Business Review March 2014, Vol. 15 page 121-145 Print ISSN: 0972-1509, Online ISSN: 0973-0664.
- A paper entitled “Forecasting Portfolio Return Using Optimization Techniques from the Perspective of Indian Financial Market” published in Vol.2 Issue 2, February 2013 of Spectrum: A Journal of Multidisciplinary Research with ISSN 2278-0637.
- A paper entitled “Forecasting BSE Sensex under Optimal Conditions: An Investigation Post Factor Analysis” published in December 2011 issue of “Journal of Business Studies Quarterly (JBSQ)” ISSN 2152-1034 (Vol. 3, Number 2, pp 57-73).

**Publications in conference proceedings:**

- A paper entitled “Efficiency Measurement of Indian Major Petrochem Industries: An Application of Data Envelopment Analysis” in the conference proceeding of International Conference on Optimization, Computing and Business Analysis held during December 20-22, 2012 at Kolkata with ISBN 978-81-8424-814-2 by Allied Publishers Pvt. Ltd.
- A paper entitled “Influencing Parameters of BSE Sensex: An Investigation” in the conference proceeding of International Conference on Business and Information Management (ICBIM-2012) ISBN:978-81-8424-744-2 published by Allied Publishers Pvt. Ltd.( Vol.: II Page:113-127).
- A paper entitled “Optimal Portfolio Selection with Skewness And Kurtosis: A Fuzzy Multi-objective Programming Approach in the Context of Indian Financial Market” in the Computing, Business Applications and Legal Issues 2011 ISBN 978-81-7446-936-6 published by Excel Books (Page 21-30).
- A paper entitled “Share Market Analysis Using Various Economical Determinants to Predict Decision of Investors” in the conference proceedings of ICMOC 2010, West Bengal(India), October 28-30, 2010 published by American Institute of Physics Conference Proceeding Volume 1298 ISBN 978-0-7354-0854-8(pp.529-534).