

Dr. Arijit Ghosh



Designation: Assistant Professor
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Qualification: M.Sc., Ph.D., MBA, GDOR, Qualified UGC
NET(JRF)

ABOUT :-

Dr. Arijit Ghosh is currently teaching in the Department of Mathematics at St. Xavier's College (Autonomous), Kolkata. He has received his Ph.D (Science) from Jadavpur University, Kolkata for his contribution in the field of Optimization. His current research is focused on the application of optimization techniques in the field of finance. With an overall teaching experience spanning 15 years in higher education, Dr. Ghosh has been associated as an accomplished professor of Applied 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 and JIS College of Engineering, Kalyani to name a few. He has published several research papers in various national and international peer reviewed refereed journals of repute and has participated and presented papers in various national and international conferences as well. Apart from academic interests he has a keen fascination for various extra-curricular activities. He writes poems, plays harmonica and has exhibited photographs on various exhibitions.

ACHIEVEMENTS (ACADEMIC): -

- Received “**Best research paper**” award for the track ”Interdisciplinary Applications of Operations Research” at the International Conference on “Frontiers of Operations Research & Business Studies” held on 27-28

December' 2019 organized by the Calcutta Business School, Kolkata in partnership with Operations Research Society of India, Durgapur Chapter.

- Received “**Best research paper**” award at the International Conference on Society and Business in the New Millennium” held on 12-13 April 2019 organized by the ICFAI Business School, Kolkata in partnership with Lincoln University College, Malaysia.
- Received “**Best research paper**” of “Finance Management” award at the International Conference on “ Emerging Socio Economic Trends and Business Strategy” held on 18-19 January 2019 organized by the International School of Business & Media, Kolkata in partnership with Indian Economic Association sponsored by Indian Council for Social Science Research.
- Received “**Best research paper**” of “Finance track” award at J. D. Birla Management Conference held on 8th April’2016 organized by J D Birla Institute in association with BSE Institute Ltd.
- Received “**Best Application Paper Award**” at the 45th 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.

SUMMER OR WINTER SCHOOL / WORKSHOP / ORIENTATION/ REFRESHER COURSES ATTENDED:-

- 3 days FDP on “Applied Econometrics with Software Applications” held from March 4-6, 2020, at International Management Institute, Kolkata.

- Workshop on “MOOCS, E-Content development and open educational resources” for one week from 19.7.19 to 25.7.19 organised by UGC-Human Resource Development Centre, The University of Burdwan.
- 3 day Workshop on “Data Envelopment Analysis” held from 15.6.19 to 17.6.19, at Bhairab Ganguly College, Belgharia, Kolkata.
- Workshop on “Advance Econometrics” held from 11.3.19 to 15.3.19, at St. Xavier’s College (Autonomous), Kolkata.
- Short Term Course entitled “Stress Management & Counseling” from 3.1.19 to 9.1.19 organized by UGC-Human Resource Development Centre, Jadavpur University.
- 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.
- Summer School on “Mathematical Modeling & Its Engineering Applications” organized jointly by West Bengal State Council of Science & Technology and Department of Science & Technology, Government of West Bengal, in association with B. P. Poddar Institute of Management & Technology, Kolkata, during 27th Apr to 9th May’ 2007.

PUBLICATIONS IN PEER REVIEWED, REFEREED NATIONAL / INTERNATIONAL JOURNAL:-

- 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).

RESEARCH PAPER PRESENTED AT NATIONAL / INTERNATIONAL CONFERENCE:-

- Presented a paper entitled “Comprehensive Efficiency Measurement of five

major Indian Steel Companies using Data Envelopment Analysis and Factor Analysis” at the International Conference on “Emerging Socio Economic Trends and Business Strategy” held on 24-25 January 2020 organised by the International School of Business & Media, Kolkata in partnership with Indian Economic Association.

- Presented a paper entitled “IPL 2019: Evaluating the performance of teams by DEA & SEM” at the International Conference on “Emerging Socio Economic Trends and Business Strategy” held on 24-25 January 2020 organised by the International School of Business & Media, Kolkata in partnership with Indian Economic Association..
- Presented a paper entitled “IPL 2019: Ranking of Batsmen by Linear Programming & Structural Equation Modeling” at the International Conference on “Physical Education Yoga and Sports Science in 2020’s era” held on 15 January, 2020 organised by the SIPEWHH, Kolkata in partnership with West Bengal Committee of the Institute of Physical Education.
- Presented a paper entitled “Analyzing Technical Efficiency of Indian Life Insurance Companies using DEA and SEM” at the International Conference on “Frontiers of Operations Research & Business Studies” held on 27-28 December’ 2019 organized by the Calcutta Business School, Kolkata in partnership with Operations Research Society of India, Durgapur Chapter.
- Presented a paper entitled “ Lucas Paradox in Asia: An empirical Investigation” at the International Conference on “Society and Business in the New Millennium” held on 12-13 April 2019 organized by the ICFAI Business School, Kolkata in partnership with Lincoln University College.
- Presented a paper entitled “Efficiency Measurement of Public and Private Sector General Insurance Companies in India Using DEA” at the International Conference on “Emerging Socio Economic Trends and Business Strategy” held on 18-19 January 2019 organised by the International School of Business & Media, Kolkata in partnership with Indian Economic Association sponsored by Indian Council for Social Science Research.
- Presented a paper entitled “Modeling and Positioning of Domestic Private

Airlines on Tourists Arrivals in India: An Artificial Neural Network Based Approach” at the International Conference on “Frontiers of Operations Research & Business Studies(FORBS2018)” held on 11-13 October 2018 organised by the Calcutta Business School, Kolkata in collaboration with Operational Research Society of India, Kolkata Chapter.

- A National level Conference at J. D. Birla Management Conference held on 8th April'2016 organised by J D Birla Institute in association with BSE Institute Ltd.
- A three day International Conference on Optimization, Computing and Business Analysis (ICOCBA) organized by Operational Research Society of India, 39 Mahanirban Road, Kolkata during December 20-22, 2012 at Kolkata and presented a research paper “Efficiency Measurement of Indian Major Petrochem Industries: An Application of Data Envelopment Analysis”.
- A two day UGC Sponsored National Seminar on “Recent Advances in Operations Research” (NSRAOR- 2012) Organised by Department of Mathematics, Purash Kanpur Haridas Nandi Mahavidyalaya (PKHNM) Howrah: 711410, West Bengal, in collaboration with Operational Research Society of India (ORSI), Calcutta Chapter during 2-3rd Aug' 2012 and presented a research paper “Automobile sector efficiency measurement in the context of Indian Financial Market: An Investigation”.
- A three day National Conference on “Application of Statistics in Industry and Planning” organized by Department of Statistics, Visva-Bharati, Santiniketan in collaboration with Calcutta Statistical Association held at Visva-Bharati, Santiniketan during February 25 - 27' 2012 and presented a research paper “Banking Sector Efficiency Measurement in the Context of Indian Financial Market”.
- A 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 and presented a research paper “Influencing Parameters of BSE Sensex: An

Investigation”.

- A two day International Conference on “Computing, Business Applications and Legal issues” organized by Institute of Management Technology, Ghaziabad in collaboration with Winona State University, USA during March 3 -4, 2011 and presented a research paper “Optimal Portfolio Selection with Skewness and Kurtosis: A Fuzzy Multi-objective Programming Approach in the context of Indian Financial Market”.
- A three day International Finance Conference held at Indian Institute of Management, Calcutta during Jan 10-12, 2011 and presented a research paper “Optimal Portfolio Selection with Skewness : A Fuzzy Multi-objective Programming Approach in the Context of Indian Financial Market”.
- A two day International Conference on Modeling, Optimization and Computing (ICMOC2010) held at NIT, Durgapur during Oct 28-30, 2010 presented a research paper “Share Market Analysis Using Various Economical Determinants to Predict, Decision of Investors”.

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.

CERTIFICATE COURSES (2019-2020):-

- Two week FDP on “R Language and R Studio” from 22.6.2020-5.7.2020 organized by Cambridge Institute of Technology, Bengaluru in association with IIT Bombay.
- Completion of SWAYAM ARPIT Certificate course for CAS on “Data Analysis for Social Science Teachers” with Grade ‘A’.
- NPTEL Online Certification on “Business Analytics and Data Mining Modeling using R”.

- NPTEL Online Certification on “Descriptive Statistics with R software”.
- NPTEL Online Certification on “Introduction to R Software”.