




Title	DR.	First Name	DEO DATTA	Last Name	AARYA	Photograph
Designation	Assistant Professor					
Address	Department of Mathematics, Acharya Narendra Dev College (University of Delhi), Govindpuri, Kalka Ji, New Delhi-110 019					
Phone No Office	+91 11 262 94540, 262 94542					
Residence	567-B/6, Govindpuri, Kalka Ji, New Delhi-110 019					
Mobile	+91 9313727200					
Email/ Web-Page	deodatta@andc.du.ac.in					
Educational Qualifications						
Degree	Institution				Year	
Ph.D.	Graphic Era University, Dehradun (Uttarakhand), Title of Thesis: Some Mathematical Inventory Models for Deteriorating Items under Progressive Payment scheme.				2017	
M. Phil.	Vinayaka Missions University, Directorate of Distance Education, Salem, Tamilnadu.				2009	
PG	Jamia Millia Islamia (Central University), New Delhi (Mathematics with Computer Science)				2004	
UG	Bundelkhand University, Jhansi (U.P.)				1999	
Any Other						
Career Profile						
<ul style="list-style-type: none"> ➤ August 24, 2018 to till date - Assistant Professor, Department of Mathematics, Acharya Narendra Dev College (University of Delhi), Govindpuri, New Delhi. ➤ August 2018 to November 2018-Assistant Professor (Guest), Department of Mathematics, P.G.D.A.V. College (Evening), University of Delhi, Nehru Nagar, New Delhi. ➤ January 04, 2018 to August 23, 2018 - Assistant Professor, Department of Mathematics, Lingaya's University, Faridabad (Haryana). ➤ September 12, 2007 to January 03, 2018 -Assistant Professor, Department of Mathematics, Ideal Institute of Technology, Ghaziabad (U.P.) affiliated to Dr. A. P. J. Abdul Kalam Technical University, Lucknow (U.P.). 						
Administrative Assignments						
<ul style="list-style-type: none"> • Worked as a member of Academic Events Committee at Acharya Narendra Dev College (University of Delhi), since August 24, 2018 to July 2019. • Worked as a member of Sports Committee at Acharya Narendra Dev College (University of Delhi), since August 24, 2018 to July 2022. • Worked as a member of Cultural Events Management Committee at Acharya Narendra Dev College (University of Delhi), since July 2019 to July 2022. 						

- Working as a member of **Social Outreach Programs Committee (NSS)/UBA** at Acharya Narendra Dev College (University of Delhi), since July 2022 to till date.
- Working as a member of **Proctorial Committee** at Acharya Narendra Dev College (University of Delhi), since July 2022 to till date.
- Working as a Dupty Superintendent of **SOL (DU) Examination Committee** at Acharya Narendra Dev College (University of Delhi), since Dec 07, 2022 to till date.
- Working as Joint-Convener of **Cultural Events Management Committee** at Acharya Narendra Dev College (University of Delhi), since March 10, 2023 to till date.

Areas of Interest / Specialization

- Inventory Control
- Supply Chain Management

Subjects Taught

- Calculus
- Real Analysis
- Complex Analysis
- Differential Equations
- Abstract Algebra
- Linear Algebra
- Numerical Methods
- Operations Research
- LaTeX, HTML, Mathematica and R.

Research Guidance

Publications Profile

Research Papers Published in the National & International Journals

- **Deo Datta Arya** and Mukesh Kumar, "Supply Chain Model with Ramp Type Demand under Planning under Planning Horizon", Indian Journal of Science and Technology, Vol. 8, No. 15, pp. 1-8, 2015.
- Mukesh Kumar, **Deo Datta Arya** and Rajat Kumar, "A Deteriorating Inventory Model with Inflation and Trade-Credit Period under Power Pattern Demand Rate". Global Journal of Pure and Applied Mathematics, Vol. 11, No. 4, pp. 2427-2440, 2015.
- Vikas Sharma and **Deo Datta Arya**, "An Optimal Policy for Weibull Deteriorating Items with Power Demand Pattern and Permissible Delay in Payments", Global Journal of Pure and Applied Mathematics, Vol. 11, No. 4, pp. 2427-2440, 2015.
- Mukesh Kumar and **Deo Datta Arya**, "Optimal Payment Policy with Price-Dependent Demand and Three parameters Dependent Deterioration Rate under the Influence Trade Credit", International Journal of Operational Research, Vol. 26, No.2, pp. 236-251, 2016.
- **Deo Datta Arya**, Mukesh Kumar and Anand Chauhan, "Inventory Model with Time Dependent Demand Weibull Deterioration and Permissible Delay in Payment", Journal of Nonlinear Studies, Vol. 24, No. 24, pp. 43-54, 2017.

- **Deo Datta Arya** and Mukesh Kumar, "A Production Inventory Model with Selling Price and Stock Sensitive Demand under Partial Backlogging", International Journal of Mathematics in Operational Research, Vol. 12, No. 3, pp. 350-363, 2018.
- Rahul Boadh, **Deo Datta Arya**, Mamta Dahiya, Sarita Rathee, Ajay Sarika Jain, Yogendra Kumar Rajoriya, Sangeeta Rani, "Study and Prediction of Prostate Cancer using Fuzzy Inference System", Materials Today: Proceeding, Vol. 56, No.1, pp. 157-164, 2022.
- **Deo Datta Arya**, Yogendra Kumar Rajoriya, Neha Gupta, Yashpal Singh, Raghav, Rakesh Rathee, Rahul Boadh, Ajay Kumar, "Selling Price, Time Dependent Demand and Variable Holding Cost Inventory Model with Two Storage Facilities", Materials Today: Proceeding, Vol. 56, No.1, pp. 245-251, 2022.
- Preety Poswal, Anand Chauhan, **Deo Datta Arya**, Rahul Boadh, Yogendra Rajoria, Shikha Uniyal Gaiola, "Optimal Strategy for Remanufacturing System of Sustainable Products with Trade Credit under uncertain Scenario", Materials Today: Proceeding, Vol. 69, No.2, pp. 165--173, 2022.
- **Deo Datta Arya**, Shashi Prakash, Rahul Boadh, Anand Chauhan, Yogendra Kumar Rajoria, "The Implementation of the Pentagonal Fuzzy Number toward the Solution of the Fuzzy Inventory Model with Ramp Demand Function and Three Parameters Weibull Deterioration", Neuroquantology, Vol. 20, No. 17, pp. 115-124, 2022.

Conference/ Presentations/Workshops

- Attended an International Conference (CONIAPS-14) on "**Physical Sciences Interface with Humanity**" at S.V. National Institute of Technology, Surat (Gujarat) dated on 22, 23 & 24 December 2011.
- Attended a National Conference (NCAMCP-2012) on "**Applied Mathematics and Computational Physics**" at Hindu College, Moradabad dated on 25 & 26 February 2012.
- Participated in Faculty Development Program on "**Research Methodology & Statistical Analysis**" at Graphic Era Hill University, Dehradun, U.K., India on 24, 25 & 26 May 2012.
- Attended a Faculty Development Program on Modeling, Simulations and MATLAB Tools at A.B.E.S. Engineering College, Ghaziabad (U.P.) on 15, 16 & 17 January 2014.
- Presented a paper entitled "**Inventory Model with Time Dependent Demand, Weibull Deterioration and Permissible Delay in Payment**" in the 2nd International Conference (ICMTEA 2016) on Mathematical Techniques in Engineering Applications held on March 29-30, 2016 organized by Department of Mathematics, Graphic Era University, Dehradun, U.K. India.
- Attended a National Workshop on "**Non-linear Functional Analysis and its Applications**" held on February 19-24, 2018 (One-Week) organized by Department of Mathematics, Graphic Era University, Dehradun, U.K., India.
- Presented a paper entitled "**Modeling and Analysis of an Inventory Model for Decaying Items with Stock Dependent Demand Lost Sales & Progressive Permissible Delay**" in the National Conference on Advances in Material Sciences & IOT for Smart Environmental Monitoring and Sustainability (AMSISEMS-2018) held on March 20-21, 2018 at Lingaya's University, Faridabad (Haryana).
- Participated in the Faculty Development Program "**Teachers as Mentors**" at Acharya Narendra Dev College (University of Delhi), on October 25, 2018.
- Participated in National Workshop on "**Advanced Numerical Techniques and its Applications**" at Department of Mathematics, Graphic Era Hill University, Dehradun, Uttarakhand on May 06-11, 2019.
- Attended a National Workshop (online) on "**Tools and Techniques in Statistical Analysis**" held on April 6-19, 2021 (two-week) organized by Acharya Narendra Dev College (University of Delhi).
- Completed TWO-WEEK REFRESHER COURSE in "**MATHEMATICS**" organized by Department of Mathematics, Ramanujam College (University of Delhi) with Grade "A+", from March 16-30, 2021.

<ul style="list-style-type: none"> Presented a paper entitled “Modeling and Analysis of Fuzzy Sustainable Inventory for Deteriorating Item with Controllable Carbon Emissions and Preservation Technology” during International e-conference on ‘Mitigating environmental issues by sustainable approaches (ICMCESA 2022) organized by Acharya Narendra Dev College (University of Delhi) from February 22-28, 2022. Participated in Teacher’s Enrichment Workshop (TEW) on “Differential Equations and Mathematical Modeling” (virtual mode) organized by Department of Mathematics, Jaypee Institute of Information Technology, Noida (U.P.) during February 14-27, 2022. Completed one-week Faculty Development Program on “Data Analytics & Mathematical Software Tools” organized by Teaching Learning Centre, Ramanujam College during February 25- March 03, 2022. Participated in two-day workshop on “MATLAB” organized by the Department of Computer Science, Acharya Narendra Dev College (University of Delhi) held on October 12 & October 17, 2022. Completed 15 days National REFRESHER COURSE in “Python: Essentials, Programming and Analytics & Statistics with ‘R’, Financial Database and Analysis Software” jointly organized by University of Delhi and Guru Angad Dev Teaching Learning Centre , SGTB Khalsa College (University of Delhi) with Grade “A+”, from 27 October 2022 to 11 November 2022.
Research Projects (Major Grants/Research Collaboration)
Awards and Distinctions
Association With Professional Bodies
Other Activities
<ul style="list-style-type: none"> Certification of Appreciation for being the member of Mathematics Association of Jamia Millia Islamia (Central University) as Vice-President during the session 2003-04. NSS NCC