




# SLC (University of Delhi) Shyam Lal College

NAAC A++



## Faculty Profile

<b>Title</b>	Dr.	<b>First Name</b>	Anuj Kumar	<b>Last Name</b>	Sharma	<b>Photograph</b> 
<b>Designation</b>	Assistant Professor					
<b>Department</b>	Mathematics					
<b>Address</b>	1/5806, Upper Ground Floor, Street No. 11, Balbir Nager Shahdara, Delhi -110032					
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<b>Web-Page</b>						

### **Educational Qualification**

Degree	Subject	University/ College/Institution	Year
B. Sc.	Physics, Chemistry, Maths	C. C. S. University, Meerut	2003
M. Sc.	Mathematics	C. C. S. University, Meerut	2005
M. Phil	Mathematics	C. C. S. University, Meerut	2009
Ph. D.	Inventory Management	University of Delhi	2016

### **Experience**

	Name of the University/College/ Institute/Organisation	Designation & Status (Permanent/Ad-hoc)	From	To	Effective time period
Teaching	Shyam Lal College	Permanent	27/03/2023	Till Now	11 Months, 14 Days
	Shyam Lal College	Ad-hoc	28/08/2012	25/03/2023	10 Years, 6 Months, 27 Days
Research/ Corporate					
Consultancy					

### **Teaching-Learning Process (Academic Year 2022-23 Onwards)**

Are You using ICT (LMS, E-Resources)?	If yes, please give the details below:				
	Name			Total Numbers	
E-Resources					
Techniques and Platforms					

### **Career Advancement and Contribution to College Corporate Life (2022-23 Onwards)**

	Name of the Committee/ Centre/ Society/ Cell	Designation	From	To
Convenor/Member of	UBA	Coordinator	2023	Till now

Committees	IQAC	Member	2018	Till now
	WDC	Member	2019	2023
	Conference and Fund Allowance	Member	2023	Till now
	Proctorial Board	Member	2023	Till now
Any Other Administrative Responsibility (Bursar, Coordinator, Superintendent etc.)	AISHE	Coordinator	2019	Till now
	NIRF	Coordinator	2019	2023

### Areas of Interest/Specialisation

S.No.	Areas of Interest/ Specialisation
1	Mathematical Modelling
2	Inventory Management and Supply Chain Management
3	Fuzzy Set Theory
4	IKS

### Subjects Taught

S.No.	Subject	S.No.	Subject
1	Differential Equation	5	Statistics
2	Partial Equation	6	Fuzzy Set Theory
3	Mathematical Modelling		
4	Operation Research		

### Publications: Citation Index in Scopus/Web of Science or Pub Med/ Indian Citation Index

Title of Paper	Name of the Author	Title of the Journal	Year of Publication	Citation Index	h-Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self-citations	Impact factor, if any
A Fuzzy Inventory Model for Weibull Deteriorating items with Price-Dependent demand and Shortages under Permissible delay in payment	C. K Jaggi, S. Pareek, A. Sharma and Nidhi	International Journal of Applied Industrial Engineering	2012		7	No	3	
Fuzzy Inventory Model for Deteriorating Items with Time-Varying Demand and Shortages	C. K Jaggi, S. Pareek, A. Sharma and Nidhi	American journal of Operational Research	2012		7	No	79	

Fuzzy EOQ Model for Deteriorating Items with Price Dependent Demand and time –varying Holding Cost”	C. K. Jaggi, A. K. Bhunia , A Sharma and Nidhi	Advanced Modeling and Optimization	2012		7	No		
A Fuzzy Inventory Model for Deteriorating Items with Initial Inspection and Allowable Shortage under the Condition of Permissible Delay in payment	C. K. Jaggi, A. Sharma, M. Mittal	International Journal of Inventory Control and Management	2012		7	No	6	
Fuzzification of EOQ Model under the condition of Permissible Delay in Payments	C. K. Jaggi, A. Sharma, and R. Jain	International Journal of Strategic Decision Sciences	2012		7	No	7	
A two-warehouse inventory model for deteriorating items under permissible delay in payment with partial backlogging	A.K. Bhunia , C. K Jaggi, A. Sharma and R. Sharma	Applied Mathematics Computation	2014		7	No	147	4
An EOQ model with allowable shortage under trade credit in different scenario”,	C. K. Jaggi , V.S.S. Yadavalli , M.Verma , A. Sharma,	Applied Mathematics and Computation	2015		7	No	41	4

Credit financing in economic ordering policies for non-instantaneous deteriorating items with price dependent demand under permissible delay in payments: A new approach	C.K. Jaggi, A. Sharma, S. Tiwari	International Journal of Industrial Engineering Computations	2015		7	No	42	3.3
A Fuzzy EOQ Model with Allowable Shortage under different Trade Credit terms	C.K. Jaggi, V.S.S. Yadavalli, A. Sharma, S. Tiwari	Applied Mathematics & Information Sciences	2016		7	No	24	1.232
Optimal Replenishment policy for Price Dependent Demand in different financial Scenarios under Fuzzy Environment	A. K. Sharma, C. K. Jaggi, S. Tiwari	International Journal of Inventory Research	2017		7	No	3	
An inventory model for non-instantaneous deteriorating item under progressive trade credit policy	Chandra K. Jaggi, Monalisha Tripathy, Anuj Kumar Sharma and Geetanjali Sharma	Revista Investigación Operacional, Cuba	2020			Yes	2	
A Fuzzy EOQ Model for Non-instantaneous deteriorating items with	A. K. Sharma, S. Tiwari, C. K. Jaggi, and V. S.	RAIRO - Operations Research	2020			Yes		1.025

Price Dependent Demand and Allowable Shortages under different Credit Terms – A New Approach	S. Yadavalli							
Capacity constraint EOQ model for deteriorating items with two-level trade credit under financial environment	A. K. Sharma and B. Kindra	Malaya Journal of Matematik,	2021			Yes		
An EOQ model for non-instantaneous deteriorating items with two storage facilities under progressive trade credit policy in financial environment	Tripathy, M., Sharma, A. K., & Sharma, G.	International Journal of Services Operations and Informatics	2021			Yes	1	
iCACD: An Intelligent Deep Learning Model To Categorise Current Affairs News Article for Efficient Journalistic Process	S. Kumar, J. Singh, & A. K. Sharma	International Journal of System Assurance Engineering and Management,	2022			Yes	1	
An EOQ inventory model for non-instantaneous deteriorating item with constant demand under	Tripathy, M., Sharma, G & Sharma, A. K.	Opsearch.	2022			Yes	1	

progressive financial trade credit facility								
Sensor network driven novel hybrid model based on feature selection and SVR to predict indoor temperature for energy consumption optimisation in smart buildings	S. Kumar, J. Singh, & A. K. Sharma	International Journal of System Assurance Engineering and Management,	2022			Yes	3	

**Books and Chapters in Edited Volumes/Books published, and papers in National /International conference Proceeding per teacher during the Year**

Title of Book/Paper/ Book Chapter	Publisher	National/International	Year
EOQ model with permissible delay in payments under fuzzy environment	IGI Global, USA	International	2014
Fuzzification of EOQ model with allowable shortage under the condition of permissible delay in payments	LAMBERT Academic Publishers	International	2014
Optimal Ordering and Transfer Policy for an Inventory Model with Fuzzy Stock Dependent Demand	proceedings of International Congress on Productivity, Quality, Reliability, Optimization and Modelling (ICPQROM)	International	2011

**Conference/ Seminar/ Symposium/ Workshop/ Presentation**

Sr. No.	National/ International /state	Topic	Presentation/Att ended /Resource Person	Date	Duration	
1	International	International Conference on Productivity, Quality, Reliability, Optimization and Modeling	Presentation	07-08 Feb/2011	Two Days	<i>Conferences</i>
2	International	International Conference on Applied Mathematics & Statistics	Presentation	16-18 Dec/2011	Three Days	
3	International	6th International Conference on Quality, Reliability, Infocom Technology and Industrial Technology Management (ICQRITM)	Presentation	26-28 Nov/2012	Three Days	
4	International	International Conference on	Presentation	29Nov-01	Three	

		Optimization Modeling		Dec/2012	Days
5	International	2nd International Science Congress	Presentation	08-09 Dec/2012	Three Days
6	International	International Conference on The Legacy of Srinivasa Ramanujan	Attended	17-22 Dec/2012	Six Days
7	International	1st International Conference on Indian Society of Information Theory and Applications (ISITA	Presentation	16-19 Jan/2015	Four Days
8	International	7h International Conference on Quality, Reliability, Infocom Technology and Business Operations (ICQRITM	Presentation	28-30 Dec/2015	Three Days
9	International	International conference India's Ascendancy in the Emerging World Tranistional Dynamics: New Upsurges, Strategic Challenges and Opportunities	Attended	26-27 Oct /2017	Two Days
10	International	9th International Conference on "Quality, Reliability, Infocom Technology & Business Operations	Presentation	27-29 Dec/2018	Three Days
11	International	9th International Conference on "Quality, Reliability, Infocom Technology & Business Operations	Presentation	27-29 Dec/2018	Three Days
12	International	International conference on Through a (new) Looking Glass: Challenges for Women in 21st Century	Presentation	9-10 Jan/ 2020	Three Days
13	International	International Conference on Proactive Governance and Policy Implementations in the times of Covid-19	Attended	5th June, 2020	Delhi
13	International	International Conference on "Indian Knowledge System: Integration & Internationalization on	Presentation	14-15 July/ 2022	Two Days
1	National	National Conference on Modeling, Computational Fluid Dynamics and Operations	Presentation	4-5 Feb/ 2012	Two Days
2	National	National Conference on Applied Mathematics (NCAM-2012)	Presentation	4-5 May /2012	Two Days
3	National	National Conference on Applied Mathematics (NCAM-2014)	Presentation	27-28 June /2014	Two Days
4	National	national Conference "Quality Advancements in Teaching & Learning towards Academic Excellence" On 2-3 August, 2019	Attended	2-3 August /2019	Two Days
5	National	Annual Conference of Vijnāna Parishad of India on Recent Developments in Mathematics, Optimization and Computational	Attended	6-10 Sept /2021	5 Days

		Sciences (RDMOCS 2021)				
1	National	Inventory and Transportations	Attended	15-18 March/20 12	5 Days	<i>Workshops</i>
2	National	Foundation Courses (Building Mathematical Ability)	Attended	18-20 June /2013	3 Days	
3	National	Introduction to SPSS and STATA	Attended	07-14 Oct / 2015	8 Days	
4	National	Computational Optimization	Attended	5 Feb, 2016	1 Day	
5	National	WGB3: WORKshop on e-Learning and MOOCs	Attended	25 Jan /2017	1 Day	
6	National	Evolving Trends in Quality: Role of IQAC	Attended	14-15 Dec /2018	2 Days	
7	National	Vedic Mathematics	Attended	4-5 Sept/2021	2 Days	
8	National	Vedic Mathematics	Attended	2 -13 Dec /2021	12 Days	
9						
10						
11						

#### Research Projects/ Innovation Projects (Major Grants/Research Collaboration)

S.No.	Title of the Project	Funding Agency	Status/Output
1	Unnat Bhart Abhiyan	MoE, SLC	Ongoing
2	Indian Mathematicians from Ancient to Modern India: Contribution towards the Spirit of Vasudhaiva Kutumbakam	IKS Division of MoE	Ongoing
3	An Action based Study to Explore & Connect Select IKS in Contemporary Discourses & Practices” with Saraswati IKS Center	IKS Division of MoE	Completed

#### Research Guidance (Ph. D./ M. Phil.)

	No. of Ph.D. Students	No. of M.Phil. Students
Awarded		
Submitted		
Under Progress		

#### Fellowships/Awards /Distinctions/Recognitions

Year of Award	Name of the Fellowship/Award/ Distinction/ Recognition	Designation	Name of the Academic Bodies /Association	International /National/ State
2010 -2012	JRF	Research Scholar	UGC	National

#### Incentive to the teachers who receive recognition/awards

State	National	International

#### Association with the Professional Bodies

	Name of the Organisation	Year



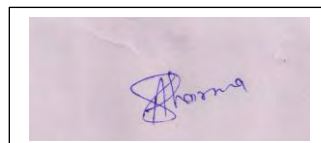
Membership	Association of Inventory Academicians and Practitioners	2014 (Life time Membership)		
Any Other				
<b>Development of E-Learning Delivery Process/Material</b>				
S.No.	Title of the Module	Recognized by/Submitted at/ Delivered at any government setup		
<b>Refresher/ Orientation Programme/ FDP / Other Specialised Courses</b>				
S.No.	Topic	Name of the Organiser	Place	Duration and Year
1	Attended a training programme on “Optimization and its Applications”	University of Delhi,	Delhi	Nov 26 –Dec 01, 2012
2	Participated in “Faculty Development Programme on Teaching with Case Studies”	Shyam Lal College, University of Delhi	Delhi	Nov 21-23, 2016
3	Participated in “Faculty Development Programme on Computer Algebra System and Latex”	Shyam Lal College, University of Delhi	Delhi	Feb 16-17, 2017
4	Attended a one day seminar on “Information Security and Understanding Open Source Software Evolution”	Shyam Lal College, University of Delhi	Delhi	Oct 9, 2017
5	Participated in one week International Winter School “Fostering Collaborative Innovations and Solutions for Sustainable Development”	Shyam Lal College, University of Delhi	Delhi	Mar 3 – 7, 2018
6	Attended two days NAAC Sponsored National Workshop On “Evolving Trends in Quality: Role of IQAC”	Vivekananda Institute of Professional Studies	Delhi	Dec 14-15, 2018
7	Participated in one week Faculty Development Programme “Emerging Areas of Engagement in Pedagogy and Research”	Shyam Lal college, University of Delhi and National Institute of Educational Planning and Administration	Delhi	Nov 24-30, 2018
8	Participated in one week Faculty Development Programme “Advancements in Integrated Sciences: Learning & Adaptation for Effective Teaching and Research”	Shyam Lal college, University of Delhi and UGC- Human Resource Development Centre, Jamia Millia Islamia and CSIR- Institute of Genomics & Integrative Biology	Delhi	Dec 10-16, Dec
9	Participated in one week Faculty Development Programme on "Open Source Tools for Research"	Teaching Learning Centre, Ramanujan College, University of Delhi	Delhi	June 08 - 14, 2020
10	Participated in Two week Faculty Development Programme on	Teaching Learning Centre, Ramanujan College,	Delhi	May 18 - June 03, 2020

	"MANAGING ONLINE CLASSES and CO-CREATING MOOCS:2.0" from., organized by.	University of Delhi, sponsored by MHRD under PMMMNMTT		
11	Participated in one week Faculty Development Programme on "Python and Emerging Trends in Machine Learning"	Forsk Coding School	Delhi	June 02 - 06, 2020
12	Participated in National Webinar on Tax Summit: How to Maximize Savings in COVID Times	IQAC , Shyam Lal College	Delhi	June 20, 2020.
13	Participated in National Webinar on Credibility Crisis in Media amidst	WDC & IQAC , Shyam Lal College	Delhi	June 16, 2020
14	Participated in National Webinar on Yoga A Holistic approach to Life	CHD, NSS, Deptt. of Physical Education & IQAC, Shyam Lal College	Delhi	June 21, 2020.
15	Participated in one month Faculty Induction or Orientation Programme under, from	PMMMNMTT (MHRD) by Ramanujan College, university of Delhi	Delhi	June 4 to July 1, 2020.
15	Participated as a Resource Person in Hands on Scientific Software Training Programme	Shyam Lal College under DBT star college scheme	Delhi	Feb 22 – Feb 26, 2021.
16	Participated in national webinar on Understanding Plagiarism Detection Software Original	University of Delhi	Delhi	April 6, 2021
17	Participated as a Resource Person in one week certificate course course on Vedic Mathematics	Shyam Lal College collaboration with Shiksha Sanskriti Utthan Nyas,	Delhi	Dec 15 – 22 Dec, 2021.
18	Participated in a Four Weeks Faculty Induction/Orientation programme	TLC, Ramanujan College, University of Delhi	Delhi	July 20 – August 18, 2022
19	Participated in One Day Teacher Summit on NEP 2020 : Role of a Teacher Organised by on	Vidya Bharti Uchcha Shiksha Sansthan at AICTE Auditorium	Delhi	Nov 04, 2023
20	Participated in a 20-day Certificate Course (40 hours)/Refresher Course on Shrimad Bhagavad Gita:Enlightenment and Relevance at TLC, Ramanujan College, University of Delhi	TLC, Ramanujan College, University of Delhi	Delhi	Dec 22, 2023 to Jan 10 2024
21	Attended a Two-Day National Level Master Training Program on Transgender Persons (Protection of Rights) Act, 2019	Conference Centre, University of Delhi.		Jan 18- 19, 2024
22	Contribution in Two Days National Workshop on Model Framework of Mathematics & Statistics Curriculum : NEP	Galgotias University with Vidya Bharti Uchcha Shiksha Sansthan at Galgotias University	U.P.	Feb 2-3, 2024.

	Perspectives			
23	Participated in Three Days National Summit of Institutional Leaders: Institutions For National Development (NSIL-2024)	Vidya Bharti Uchcha Shiksha Sansthan at University of Lucknow	UP	Feb 15-17, 2024.

### **Declaration**

I do hereby solemnly declare that the information given and the statements made by me are correct and true to the best of my knowledge.



**Dr. Anuj Kumar Sharma**  
**Signature with Full Name**