SLC (University of Delhi)
Shyam Lal College

NAAC A++

Faculty Profile

Title	Dr.	First Name	Saubhagyalaxmi	Last Name	Singh	Photograph
Designation		Assistant Professor				
Department		Mathematics				
Address		House number1/11493A, street number 5 Subhash Park extension Navin Shahdara Delhi 32 near Mayur properties and builders.				
Email		ssinghmath@shyamlal.du.ac.in				
Web-Page		https://www.slc.du.ac.in/academics/departments/Mathematics/faculty-detiles/104				

Educational Qualification

Degree	Subject	University/ College/Institution	Year
B. Sc.	Maths ,Physics, Chemistry	Utkal University, Bhubaneswar, Odisha, India.	2011
M.Sc.	Mathematics	Ravenshaw University,Cuttack, Odisha, India.	2013
GATE	Mathematics	GATE, MHRD	2013
M.Phil.	Mathematics	Ravenshaw University,Cuttack, Odisha, India.	2014
Ph.D.	Functional Analysis (Sequence Spaces)	Utkal University, Bhubaneswar, Odisha, India.	2022

Experience

	Name of the University/College/ Institute/Organisation	Designation & Status (Permanent/Ad-hoc)	From	To	Effective time period
Teaching	Aryan Institute of Engineering and Technology, Bhubaneswar, Odisha	Lecture, Permanent	22.07.2013	24.08.2014	1 Year
	Centurion University of Technology and Management, Bhubaneswar	Asst. Prof, Permanent	25.08.2014	26.03.2023	8 Years 7 Months
	Shyam Lal College, University of Delhi	Asst. Prof, Permanent	27.03.2023	Till Today	
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 Committees	Institutions Innovation Council	Convenor	16.10.2023	Till Date
	Viksit Bharat@2047	Nodal Officer	01.01.2024	Till Date
	NSS	Member	16.102023	Till Date
	AQAR	Member	04.10.2023	Till Date
	Fee Concession Science	Member	2023-24	
	Magazine	Member	2023-24	
Any Other Administrative Responsibility (Bursar, Coordinator, Superintendent etc.)	Logistics Committee for the 59th Annual Day	Member	21.10.2023	2023-24
	Election Committee Member 2023_24	Member	28.08.2023	2023-24
	International Conference on Advances in Pure and Applied Mathematics (ICAPAM) Vision India@2047	Coordinator	08.02.2024	10.2.2024
	World Standard Day	Coordinator	10.10.2023	14.10.2023

Areas of Interest/Specialisation

S.No.	Areas of Interest/ Specialisation
1	Differential Equations
2	Linear Algebra
3	Functional Analysis

Subjects Taught

S.No.	Subject	S.No.	Subject
1	Latex Typesetting	4	Probability and Statistics
2	Differential Equations	5	Metric Spaces
3	Elementary Linear Algebra	6	Introduction to Linear Algebra

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
ON CERTAIN GENERALIZED mth ORDER GEOMETRIC DIFFERENCE SEQUENCE SPACES	S. Singh, S.Dutta	Far East Journal of Mathematical Sciences	2019	7	3		5	3.22
Geometric ZWEIER Convergent Lacunary Sequence Spaces	S. Singh, S.Dutta	International Journal on Emerging Technologies	2019	2	3		2	2.58
Classes of New Geometric Difference Sequence Spaces	S. Singh, S.Dutta	Test Engineering and Management	2020	3	3		3	
The Boundary Layer form of the Navier-Stokes Equations and their Treatments	Saubhagyalaxmi Singh	Indian Journal of Natural Sciences	2020					
Effect of Different Parameters on Prediction Stock Index of Steel Authority of India Limited (SAIL) using Machine Learning Techniques.	Saubhagyalaxmi Singh, Mohammed Siddique	Shodh Sanchar Bulletin	2020					
Impact of Different Parameters on Prediction Stock Price of Bank of Baroda using Machine Learning Techniques.	Saubhagyalaxmi Singh, Mohammed Siddique	Shodh Sarita	2020					
Impact of Stock Index Parameters on Prediction of Stock Index of Yes Bank using Deep Learning Neural Network Model	Saubhagyalaxmi Singh, Mohammed Siddique	Shodh Sanchar Bulletin	2020					
Comparative Study Between Binomial and Poisson Distribution	Saubhagyalaxmi Singh N.Jeebaratn	Shodh Sarita	2020					

Title	Author	Journal	Year					
	am, G. Sridevi, Banitamani Mallik							
On a Geometric sequence ideal using Orlicz function	Saubhagyalaxmi Singh	ADALYA JOURNAL	2020					
ON CERTAIN GENERALIZED NEW GEOMETRIC DIFFERENCE SEQUENCE SPACES	Saubhagyalaxmi Singh	AEGAEUM JOURNAL	2020					
Prediction of Solar Radiation using Machine Learning Regression Models	Sasmita Kumari Nayak1, Saubhagyalaxmi Singh2 and Mohammed Siddique2*	Indian Journal of Natural Sciences	2022					
Basic Concepts on Posbist Reliability Theory	Saubhagyalaxmi Singh,*Mohammed Siddique,Kali Prasad Rath	High Technology Letters	2020					
STRONGLY (V, λ)–SUMMABLE FIBONACCI DIFFERENCE SEQUENCES DEFINED BY ORLICZ FUNCTIONS	Saubhagyalaxmi Singh	High Technology Letters	2020					
On Some Fractional order Binomial sequence spaces with infinite Matrices.	S. Singh, S.Dutta	Journal of Orissa Math. Soc.	2020					
Strongly summable Binomial Difference Geometric Sequences derfined by Orlicz functions	S. Singh, S. Dutta, S.Dash, R.P. Sarma	GANITA	2021	4	3	3		
Fibonacci Difference Geometric Sequence Spaces	Saubhagyalaxmi Singh, Mohammed Siddique	Indian Journal of Natural Sciences	2022					
Artificial Intelligence and Machine Learning Based Approach to Predict the Preferences the Target Customers for Various	R. Modi, D. Babu, K. Sharma, S.Singh	Eur. Chem. Bull.	2023			YES		

Marketing Strategies									
Impact of Artificial Intelligence on Human Behaviour & Well-Being- an Empirical Analysis	M. Mishra, M. Pattanayak, A. U. Shankar, V K. Murthy,, S. Singh	Tuijin Jishu/Journal of Propulsion Technology	2023		1	YES			1

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
STUDIES ON GEOMETRIC SEQUENCE SPACES,2023-06-20, ISBN: 978-620-6-18214-6.	LAP LAMBERT Academic Publishing	International	2023
CERTAIN GEOMETRIC SEQUENCE SPACES,2023-07-18, ISBN: 978-620-5-52433-6	Scholars' Press	International	2023

Conference/ Seminar/ Symposium/ Workshop/ Presentation

Sr. No.	National/ International/state	Topic	Presentation/Attended /Resource Person	Date	Duration	
1	National	National Seminar on Analysis and its applications	Attend	March 21-22, 2015	2	
2	International	3rd International Conference on Management, Sciences, Engineering and Applications ICMSEA-2018	Paper Presentation	Dec-18	3	*Conferences*
3	National	XLII INDIAN SOCIAL SCIENCE CONGRESS	Paper Presentation	28.12.2018	2	
4	National	National Seminar on Data Science with 46th Annual Conference of	Paper Presentation	19-20 January	2	

		Odisha Mathematical Society		2019		
5	International	International Conference on Functional Materials and Simulation Techniques	Paper Presentation	June 7-8, 2019	2	
6	International	4th International Conference on Management, Sciences, Engineering and Applications ICMSEA-2019	Paper Presentation	Dec 19-21, 2019	2	
7	International	The 3rd International Conference on Frontiers in Industrial and Applied Mathematics FIAM-2020	Paper Presentation	Dec 21-22, 2020	2	
8	National	National Seminar on Scope of Mathematics in Data Science & 48th Annual Conference of Odisha Mathematical Society	Paper Presentation	April 10-11, 2021	2	*Conferences*
9	International	The 4th International Conference on Frontiers in Industrial and Applied Mathematics FIAM-2021	Paper Presentation	Dec 21-22, 2021	2	
10	International	The 4th	Resourse Person	Dec	2	

		International Conference on Frontiers in Industrial and Applied Mathematics FIAM-2021		21-22, 2021		
11	International	International Conference on "Analysis and Discrete Mathematics " and "49 th Annual conference of Odisha Mathematical Society	Paper Presentation	Marc h 26-27, 2022	2	*Conferences*
12	National	FIP_NEP_2020	Attend	Dec 01_2 023	1	
13	International	International Conference on Advances in Pure and Applied Mathematics (ICAPAM) Vision India@2047	Resourse Person	Feb_ 08-10th _202 4	3	
14	International	International Conference on Advances in Pure and Applied Mathematics (ICAPAM) Vision India@2047	Paper Presentation	Feb_ 08-10th _202 4	3	
15	International	International Buissness and Economics of SAPT Sindhu A Historical transformation and Global Impact	Paper Presentation	**September 24-26, 2023**	3	
16	National	Teachers Summit on NEP 2020	Attended	4th Nove mber,	1	

				2023		
17						
1	International	Workshop on Machine Learning (ML) and Deep Learning (DL) Techniques with Applications	Attend	January 07-12, 2023	6	*Workshops*
2	International	International Workshop on Numerical and Analytical Techniques in Engineering Problems	Attend	Nov 12-13 2020	2	
3	National	**National Workshop on Model Framework of Mathematics & Statistics Curriculum**: NEP Perspective	Contributor and Attend	February 2-3, 2024	2	
4	National	National Workshop on "Introduction to Saral Manak Sanskrit"	Attend	March 22, 2024	1	
5	National	Workshop/Seminar on "Integration of IKS in PG Curriculum of Mathematics in light of NEP 2020"	Paper Presentation	30-31st Mrch, 2024	2	

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

S.No.	Title of the Project	Funding Agency	Status/Output
1	Indian Mathematicians from Ancient to Modern India: Contribution Towards the spirit of Vasudhaiva Kutumbakam	AICTE, New Delhi	CO-PI (On going Project_2024)
2	Smart framework for providing privacy and protection in block chain based private transactions using cloud computing approach	IP Australia Patent Number- 2021104564 & 8th September 2021 to 26 July 2029	Granted Patent
3	IOT BASED PULSE OXIMETER FOR PATIENT HEALTH MONITORING SYSTEM	Indian Patent Number- 202131033044 & 03.12.2021	Published Patent
4	IOT based electric vehicle	Indian Patent	Published Patent

	control systems in smart cities	Number-202241073743 & 30.12.2022	
5	Deep Learning Models to study and Analyse the ChatGPT and its Impact on Different Fields	Indian Patent Number-202321043593 & 04.08.2023	Published Patent

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
2022	Faculty Recognition Award	Assistant Professor	Centurion University	National

Incentive to the teachers who receive recognition/awards

State	National	International

Association with the Professional Bodies

	Name of the Organisation	Year
Membership	Orissa Mathematical Society, International Association of Engineers	Life time
Membership	International Association of Engineers	Life time

Development of E-Learning Delivery Process/Material

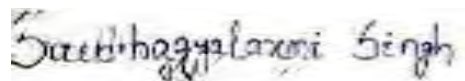| S.No.	Title of the Module	Recognized by/Submitted at/ Delivered at any government setup
1	Curriculuam for Developing Mathematical Aptitude	Shyam Lal College, Delhi University

Refresher/ Orientation Programme/ FDP / Other Specialised Courses

S.No.	Topic	Name of the Organiser	Place	Duration and Year
1	Advanced Latex	Vellore Institute of Technology, Chennai	Chennai	June 27-29, 2022
2	Faculty Induction Programme	Ramanujan College, University of Delhi	Delhi	April 23- May 22, 2023
3	Refresher Course	Ramanujan College, University of Delhi	Delhi	15-Jul-05

4	Faculty Development Programme on "INTEGRATING SUSTAINABILITY IN HIGHER EDUCATION "	Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi	Delhi	11-16 December, 2023

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.

Saubhagyalaxmi Singh

Signature with Full Name