

## SLC (University of Delhi) Shyam Lal College



NAACA++

## **Faculty Profile**

Title Dr.	Firs	st Name	LEENA	La	st Name	SINGH	Photograph			
Designation		Assistan								
Department		Compute								
Address		Noida.	601, Tower	4, NRI Re	16					
		Pin-2013								
Email		lsingh@s	shyamlal.du	.ac.in, lee	nasingh25@g	mail.com	100			
Web-Page										
Educational (		tion	~ 1 !					T •••		
Degree	e		Subject			ity/ College/		Year		
Ph.D			Engineering			y University.		2020		
M.Tech			nputer Scien Engineering	7		•	Kurukshetra	2005		
M.Sc		Computer Science			•			2003		
B.Sc.		Computer Science			Kurukshetr	a University,	Kurukshetra	2001		
Experience										
		Name of iversity/Cotute/Organ	ollege/	S	gnation & status ent/Ad-hoc)	From	То	Effective time period		
Teaching	Engine (Affilia	shan Instit ering & To ted to Kur sity Kuruk	echnology rukshetra		ecturer d-hoc	3.9.2005	10.8.2006	1 year approx.		
C	ASET ( Gobind	Affiliated	to Guru draprastha	Assistant Professor Permanent		11.8.2006	28.2.2022	15 years 6 months		
	Noida	ASET, Amity University,		Assistant Professor Permanent		1.3.2022	31.3.2023 (FN)	1 year 1 month		
		Shyam Lal College, University of Delhi		Assistant Professor Permanent		31.3.2023	Till date			
Research/ Corporate Consultancy										

Teachin	g-Learnin	g Process (Ad	cademic Year 2023	3-24 (	Onwa	rds)						
	u using											
ICT (L	MS, E-		If	yes, 1	please	give th	e deta	ails belo	ow:			
	rces)?				-							
	Í		Nam	ie					Total Numbers			
E-Resou	rces											
Techniqu	ues and											
Platform	ıs											
Career A	<b>Advancen</b>		tribution to Colleg		_	te Life	(2023	3-24 Or	iwards)			
		Name	of the Committee/ Society/ Cell	Cent	re/	De	signat	tion	From		То	
Convend	or/Member	of Researc	ch & Development	Cell		N	1emb	er	January 2	2024	Till now	
Commit	tees	Logistic	es Committee (Ann	ual D	ay)	N	1emb	er	October 2	2023	Till now	
		Standar				C	onven	or	October 2	2023	Till now	
		IIC Con	nmittee			N	1emb	er	October 2	2023	Γill Now	
		NIRF C	Committee			N	1emb	er	September	2023	Γill Now	
		Comput	Computer/IT committee				1emb	er	July 202		Γill Now	
			ommon Room			N	1emb	er	July 202	23	Γill Now	
			IQAC			N	1emb	er	June 20		Γill Now	
Any Oth Adminis		Election	Election Committee				Member (Vote Tabulation)		September	.2023		
Respons		Internal	Internal Practical Examination			Superintendent			December	2023		
	Coordinat					•						
	endent etc											
Areas of	f Interest/	Specialisation	1									
S.No.				s of l	Intere	st/ Spec	ialisa	tion				
1	Software	Engineering				•						
2		Machine Learn										
Subjects	Taught											
S.No.		Sub	ject		S.	No.	No. Subject					
1	Data An	alysis and Vist	ualization using			Programming with Python						
1.	Python					5. Trogramming with rython						
2.	Essentia	ls of Python										
3.		g Systems										
4.	Basic IT											
<b>Publicat</b>	tions: Cita	tion Index in	Scopus/Web of So	<u>cienc</u>	e or F	ub Me	d/ Inc	dian Ci	tation Index	T		
		Name of	Name of Title of the		ar of	Citati	h- In		titutional liation as	Number of citations	Impac	
Title of Paper		the Author	Journal		olica on	on Index	d e x		ioned in the blication	excludin g self- citations	if any	
Minimization of Test		~,	Recent Advances in Computer Science and	20	021	1		AU	UP, Noida			
Testing	Regression	et.al	Communications									

A Fuzzy Rule Based Approach for Test Case Selection Probability Estimation in Regression Testing	Leena Singh, et.al	International Journal of Computer Aided Engineering & Technology	2019	1	AUUP, Noida	
Mouse Movement using Face and Eye Tracking via Webcam to Provide Computer Access for People with Severe Disabilities	Leena Singh, et.al	International Journal of Computing	2012		ASET, Delhi	
A bicriterion call center problem through an evolved branch and bound algorithm	Leena Singh, et.al	OPSEARCH, Springer	2011	5	ASET, Delhi	
Face Recognition Machine Vision System Using Eigenfaces	Leena Singh, et.al	International Journal of Recent Trends in Engineering	2009	18	ASET, Delhi	
Time Optimization for Traffic Signal Control Using Genetic Algorithm	Leena Singh, et.al	International Journal of Recent Trends in Engineering	2009	120	ASET, Delhi	
Performance Optimization for Face Localization using Artificial Neural Network	Leena Singh, et.al	International Journal of Computer Science, Systems Engineering and Information Technology	2008	6	ASET, Delhi	
Books and Chapter	s in Edited	Volumes/Books nu	ıblished.	and pape	rs in National /Internation	nal conference

Proceeding per teacher during the Year								
Title of	f Paper/ Book Chapter	Publisher		National/Intern	Year			
	1			ational				
	of Tree-Based Machine	Apple Academic Pres	s,	Advancements in	2023			10
_	Techniques for Credit	First Edition		Cybercrime Investigation and				10
Card Frai	ud Detection			Digital Forensics				
Prediction Machine L	of Flight Fares Using	IEEE		International		2023		
Detection	of Fake News using	IEEE		International		2023		
Machine L	Learning Juage Recognition System	IEEE		International		2023		
	ep Learning	IDDE		International		2023		
	Language Processing-	Springer		International		2022		
Based Cha	atbot for Mental Health							
Care								
Eunoia: A	Website for Self-CBT and	Springer		International		2022		
Psychothe								4
	verage based reduction	Springer		International		2015		
	ses and execution time							
	allel Execution	TERR 1		T		2014		
	current Program	IEEE Explore		International		2014		
	echniques	/XX/ 1 1 / D	4 4.					
Conferen	nce/ Seminar/ Symposium	m/ Workshop/ Preser						
Sr. No.	National/ International/state	Topic		sentation/Attended Resource Person	Date	Duration		
	International Conference	Cognitive Behavior	/1	Presented	25th and	2 days		-
	on Sustainable	Therapy and		Tresented	26th	2 days		
	Development Goals and	Mental Health			October			
	Gender Perspective,				2021			
1.	Department of Electrical							
	Engineering, Sardar							
	Vallabhbhai National							
	Institute of Technology,							
	Surat							
	International Conference	Intelligent Virtual		Presented	25th and	2 days		
	on Sustainable	Assistants for			26th			
	Development Goals and	Emotional Wellness			October			
	Gender Perspective,				2021		səs	
2.	Department of Electrical						ъ	
	Engineering, Sardar Vallabhbhai National						ıəfi	
	Institute of Technology,						Conferences	
	Surat							
	Proceedings of 2nd	A New Technique		Presented	8-9	2 days		
	International Conference	for Test Suite		1100011104	February			
	on Advanced Computing	Minimization in			2019			
3.	and Software Engineering							
	(ICACSE) , Kamla Nehru							
	Institute of Technology							
	Sultanpur							
	Performance	Proc. Of 3 <sup>rd</sup>		Presented	8-9			
4.	Optimization of Neural	International			Novemb	2 days		
<b>–</b>	Networks Based Face	Conference on			er 2008	2 days		
	Localization	Advanced						

			Computing &						
			Communicat						
			Technologies						
			(ICACCT-08),						
			Panipat						
	Real Time Traffic	_	Proc. of		Presented		3-4		
	Control Strategy	_	International				January		
	Genetic Algori	thm	Conference o				2008		
			Sensors, Sign	nal					
5.			Processing,					2 days	
			Communicat	ion					
			Control and						
			Instrumentat						
			(SSPCCIN -08	<i>),</i> Pune					
_									
Innova	ation - Patents				Patent Numb	/			
S.No.	Titl	le of the	Patent				S	tatus/Outpu	t
1.	Urban Flat	inflatate	lo Dainustas		Application Nu 512906	moer		on 20 <sup>th</sup> Febi	
1.	Urban Flat roofton Conservation System		ie Kainwater		312906		2024	on 20 Febi	ruary
2.	A Novel Solar PC N	∕lodule D	esign		355623-001		Granted	on 23 <sup>rd</sup> May	2023
3.	An Electrical Solut	ion for Ki	Illing Locust		202011024149		Published 2020		
4.	Board Wiping Dev				201911036627		Published 2019		
5.	A Foldable in-hous		dryer Assembly	/	202211066781	Filed 2022			
			, , ,	'				<del></del>	
Researc	h Projects/ Innova	ation Pr	ojects (Majo	r Grant	ts/Research Collab	oration)			
S.No.	Title of the Proje	ct	Funding Agency				Status/O	utput	
Researc	h Guidance (Ph. I	<b>D./ M. P</b>	hil.)						
				No. of	Ph.D. Students		No. of	M.Phil. Stu	dents
Awarded									
Submitte	ed								
Under Pi									
	hips/Awards /Dist	inctions	Recognition	ıs					
1 CHOWSI	1105/11/14/14/15/15/		ne of the			Name	e of the		
			ship/Award/				demic	Internat	ional
Ye	ar of Award		tinction/		Designation				/ State
			Recognition				ciation	71 (000101100)	. 2000
			8						
Incentiv	e to the teachers	who rec	eive recognit			ı			
	State			]	National		lr	nternational	
Associat	tion with the Prof	<u>essional</u>	Bodies						
					the Organisation			Year	
Member of International Association of									
			Engineers (IA	AENG) w	rith membership nur	nber	Life time		

			44.			
		Mem	ber of International Association of			
			outer Science and Information Techno	Life time		
	Membe	1	IT) with member number 80338821.			
			ber of Academy & Industry Research			
			poration Center (AIRCC), membership	o id	Life time	
		1285				
			ber of Computer Science Teachers			
			ciation (CSTA) with membership num	ber	Life time	
		6216		1		
			ber of Universal Association of Comp	uter	Life time	
			lectronics Engineers (UACEE) with bership id AM1005997		Life tillle	
Any Oth	ner	IIIeii	bership id Aivi1003337			
		C-Learning Delivery P	rocess/Material			
Develop	inche di L	7-Learning Denvery 1	OCCSS/IVIATCITAL		Recognized	l by/Submitted at/
SI	No.	Т	itle of the Module		_	t any government
5	110.	1	the of the Module		Denvered a	setup
						Бесар
Refresh	er/ Orient	tation Programme/ FI	P / Other Specialised Courses			
S.No.		Topic	Name of the Organiser		Place	Duration and Year
			TLC, Ramanujan College in			
	Refresh	er course on	collaboration with M. V. S.			2 1
		ced Research	Government Arts & Camp;			2 weeks
	Method	ology"	Science College, Telangana	New Delhi		(22 May
1			under the			2023 to 5 June
			aegis of Ministry of			2023)
			Education,			Year :2023
			New Delhi, India			
	Faculty		TLC, Ramanujan College in			
	Inductio	n/Orientation	collaboration with Army			4 weeks
	program		Institute of Education,			(23 April
2	on Facu		GGSIPU under the aegis of	Ne	ew Delhi	2023 to 22 May
		ities/Colleges	Ministry of Education, New			2023)
		es of Higher	Delhi, India			<b>Year :2023</b>
	Education					
		mputing and Internet of	Department of Electronics			1 week
2	Things		Engineering J.C. Bose University			(07/02/2022 to
3			of Science and Technology,	YMC	A Faridabad.	12/02/2022)
						2022 Vann 2022
	Dogget T	rends in Artificial	Department of ECE at MCIT Name			Year :2022
		nce and its Application	Department of ECE at MSIT, New	New I	Delhi.	(29/11/2021 to
4	lintenigei	ice and its Application	Delhi.			03/12/2021 (0
						Year :2021
	Learn an	d Build an AI Application	on Department of Computer			
	Real Data		Science & Engineering of Dr.	New I	Dolhi	1 week
5			Akhilesh Das Gupta Institute of	ivew I	טכוווו.	(22/11/2021 to
			Technology & Management			27/11/2021)
			(ADGITM), New Delhi			Year:2021
6.	Software	Engineering Paradigms of	f Netaji Subhas University of	New I	Delhi.	1 week
0.	Computa	itional Intelligence				1 WCCK

		Technology, New Delhi.		(25/10/2021 to 29/10/2021) Year:2021
7.	Recent Trends in Renewable Energy - For a Better Tomorrow	Department of Electrical & Electronics Engineering and Mechanical Engineering, School of Engineering and Technology, K.R. Mangalam University, Gurugram, Haryana	Gurugram, Haryana	1 week (02-08-2021- 06- 08-2021) Year:2021
8.	National Instructional workshop on CRYPTOLOGY	School of Computer and Systems Sciences, JNU, New Delhi.	New Delhi	1 week (22-7-20 to 26-7- 20) Year:2020
9.	National Workshop on "Research Challenges in Computer Science and Technology	Deptt. of CSE/IT, Mahatma Gandhi Central University, Bihar	Bihar	1 week (18-06-20 to 22-06- 2020) Year: <b>2020</b>
10.	FDP on "Machine Learning and its applications using Python	Ajay Kumar Garg Engineering college	Ghaziabad	1 week(29-6-20 to 03-07-20) Year:2020
11.	TEQIP-II Sponsored Short Term Training Program Privacy Preserving Data Mining	SVNIT Surat	Surat	1 week(25/05/15 to 29/05/15) Year: <b>2015</b>
12.	TEQIP-II Sponsored Short Term Training Program on Audio and Speech Signal Processing	SVNIT Surat	Surat	1 week(07/07/14 to 11/07/14) Year :2014
13.	DelTY,MCIT,GoI funded Short Term Training Program on Wireless Sensor Networks: Secure Data Aggregation and Related Issues	SVNIT Surat	Surat	1 week(14/07/14 to 18/07/14) Year:2014
14.	QIP Short term Course on Recent Advances in Genetic Algorithms and their Applications in Engineering Design	IIT Roorkee	Roorkee	1 week( 25.06.2012 to 29.06.2012) Year :2012
15.	QIP Short term Course on Image processing and Computer Graphics for Scientific Visualization held	IIT Roorkee	Roorkee	1 week( 09.07.2012 to 13.07.2012) Year :2012

## **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.

Leena Singh

Signature with Full Name