




# SLC (University of Delhi) Shyam Lal College



NAAC A++

## Faculty Profile

<b>Title</b>	Mr.	<b>First Name</b>	Ravinder	<b>Last Name</b>	Kumar	<b>Photograph</b> 
<b>Designation</b>	Assistant Professor					
<b>Department</b>	Physics					
<b>Address</b>	E-2/47, Street No. – 2, Shastri Nagar, Delhi-52					
<b>Email</b>	rkumar.phy@shyamlal.du.ac.in					
<b>Web-Page</b>						

### **Educational Qualification**

Degree	Subject	University/ College/Institution	Year
B.Sc. (Hons) Physics	Physics	Deen Dayal Upadhyaya College, University of Delhi	2004
M.Sc. (Hons) Physics	Physics	Dept. of Physics & Astrophysics, University of Delhi	2006
Ph.D. Physics	Physics	Dept. of Physics & astrophysics, University of Delhi	2017-continue

### **Experience**

	Name of the University/College/ Institute/Organisation	Designation & Status (Permanent/Ad-hoc)	From	To	Effective time period
Teaching	Shyam Lal College, University of Delhi	Permanent	16-08-2023	Continue	6 months
	Shyam Lal College, University of Delhi	Ad-hoc	23-08-2012	15-08-2023	10.11 Years
	S G T B Khalsa College	Ad-hoc	21-07-2011	21-05-2012	10 Months
	Deen Dayal Upadhyaya College	Ad-hoc	20-01-2011	07-06-2011	4 Months
	Gargi College	Ad-hoc	18-07-2008	23-12-2008	5 Months
Research/ Corporate	National Physical Laboratory, Delhi	Junior Research Fellow	05-01-2009	31-03-2010	1.3 Years
Consultancy					

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

Are You using ICT (LMS, E-Resources)?	If yes, please give the details below:
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	Name	Total Numbers
E-Resources	e-Books, Vlab.amrita.edu, NPTEL Video Lectures, egyankosh, MOOCS	5
Techniques and Platforms	Scanned Notes and Images, Virtual Lab, Power Point Presentation	55

### 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	Student Union Advisory Committee	Member	July, 2023	Continue
	Time Table Committee-Science	Member	July, 2023	Continue
Any Other Administrative Responsibility (Bursar, Coordinator, Superintendent etc.)				

### Areas of Interest/Specialisation

S.No.	Areas of Interest/ Specialisation
1	Atomic Structure Calculations of Complex Ions
2	General Theory of Relativity

### Subjects Taught

S.No.	Subject	S.No.	Subject
1	Digital Analog & Instrumentation	6	Photonic Devices & Power Electronics
2	Electricity & Magnetism	7	Basic Instrumentation Skills
3	Solid State Physics	8	Electrical Circuits and Network Skills
4	Mechanics	9	Mathematical Physics-1 (DSE)
5	Thermal Physics & Statistical Mechanics	10	Wave & Optics

### 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
Partition Function and Thermodynamic quantities with atomic data of Ag XLIV	Ravinder Kumar	Canadian Journal of Physics	2020			Shyam Lal College		
Energy Levels and Radiative Properties of Cu-like Tungsten	Ravinder Kumar	Journal of Atomic, Molecular,	2020			Shyam Lal College		

		Condensate & Nano Physics						

**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

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

Sr. No.	National/ International/state	Topic	Presentation/Attended /Resource Person	Date	Duration	
1	International	Plasma Theory and Simulations (PTS-2023)	Presentation	21-23 Sept, 2023	Two-days	<i>Conferences</i>
1	National	NEP-2020: MODEL CURRICULUM IN PHYSICS VISION TOWARDS VISHVAGURU THROUGH BHARATIYA LANGUAGES	Attended	8-9 Feb, 2024	Two-days	<i>Workshops</i>

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

S.No.	Title of the Project	Funding Agency	Status/Output


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

	No. of Ph.D. Students	No. of M.Phil. Students
Awarded		

Submitted				
Under Progress				
<b>Fellowships/Awards /Distinctions/Recognitions</b>				
Year of Award	Name of the Fellowship/Award/ Distinction/ Recognition	Designation	Name of the Academic Bodies /Association	International /National/ State
2008	Net (JRF) CSIR	Junior Research Fellow	CSIR	National
2006	Gate Physical Science		MHRD	National
<b>Incentive to the teachers who receive recognition/awards</b>				
State		National		International
<b>Association with the Professional Bodies</b>				
	Name of the Organisation			Year
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	Advanced Research Methodology	Ramanujan College	Delhi	Two-week
2	Faculty in Universities/College/Institutes of Higher Education	Ramanujan College	Delhi	Four-week
3	Psychological Skills for Teaching and Learning	Ramanujan College	Delhi	One-week
4	Recent Advances in Basic and Applied Sciences	Shyam Lal College	Delhi	One-week

### 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.



Ravinder Kumar

**Signature with Full Name**