



University of Delhi

Faculty Detail Performa (2017-21)



Name of Faculty

Name	Dr. Neeru Sehdev
Designation	Assistant Professor (Adhoc)
Phone No	(0)9650879450
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Educational Qualification

Degree	Institution	Year
PhD	Delhi University	2014
M.Sc.	Hindu College, Delhi University	2008
B.Sc.	Rajdhani College, Delhi University	2005

Full Time Research Experience

Designation	Institute	Time period	Nature of Appointment
Junior Research Fellow	Department of Physics and Astrophysics, Delhi University	01.01.2009 to 30.06.2011	NA
Senior Research Fellow	Department of Physics and Astrophysics, Delhi University	01.07.2011 to 31.12.2013	NA

Full time Teaching Experience

S.No	Designation	Institution	Time Period	Nature of Appointment
1	Assistant Professor	Daulat Ram College, DU	23 rd Aug'18 – till date	Adhoc
2	Assistant Professor	Keshav Mahavidyalaya, DU	20 th July'16- 19 th May'18	Adhoc
3	Assistant Professor	Keshav Mahavidyalaya, DU	13 th Aug'14- 20 th Sep'15	Adhoc
4	Assistant Professor	Keshav Mahavidyalaya, DU	25 th Jan'14-23 rd May'14	Adhoc

Administrative Assignments

Name of Institute	Designation	Status	Time period	Experience
Daulat Ram College, Delhi University	In-charge, Physics Association	NA	July-2019- March 2021	2 years

Daulat Ram College, Delhi University	Teacher In-charge, Physics Department	NA	April 2021- till date	Few months
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Areas of Interest in Teaching:

Thermal Physics, Electricity and Magnetism, Wave and Optics, Mechanics, Communication Systems, Statistical physics

Subjects Taught

S.No	Course	Subject Taught	Semester	Year
1	B.Sc (Hon) Physics	Thermal Physics	3	2018
2	B.Sc (Hon) Maths	GE- Communication System	3	2019
3	B.Sc (Hon) Physics	Thermal Physics	3	2019
4	B.Sc (Hon) Physics	Electromagnetic Theory	6	2020
5	B.Sc (Hon) Physics	Wave and Optics	2	2020
6	B.Sc (Hon) Physics	Wave and Optics	2	2021
7	B.Sc (Hon) Physics	Nuclear and Particle Physics	5	2021

Research Guidance

Name of student	Gender	Degree for which guidance given	Date of Registration	Supervisor/Cosupervisor	University	Title of Thesis	Date of submission of thesis	Date of Award of Degree
NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

Details of refresher/orientation course/research methodology/workshop/syllabus up-gradation/ teaching –learning-evaluation/technology programmes/Faculty Development Programme

S.No.	Details	Place	Period		Sponsoring/Organising Agency
			From	To	
1	FDP on Applied Physics and Embedded Systems Design.	Online Platform	14 th Dec 2017	15 th Dec 2017	Department of Physics and Electronics, Rajdhani College, Delhi University
2	FDP on Empowering Teaching Learning Process using Google Classroom and other ICT Tools: A	Online Platform	21 st July'20	23 rd July'20	Department of Commerce, Daulat Ram College, Delhi University

	Comprehensive Practical Approach				
3	FDP on Technologies for Societal Needs- Real Time Applications of AI, ML and Research Initiatives	Online Platform	3 rd August 2020	7 th August 2020	Department of Computer Science and Engineering, Karunya Institute of Technology and Sciences, Tamil Nadu and Department of Computer Science and Engineering, North Eastern Regional Institute of Science and Technology, Arunachal Pradesh, India

MOOCs completed with e-certification: NOT APPLICABLE

S.No.	Details of MOOC	Subject	Certification providing agency	Date of certification	Level (UG/PG/Other)	Year	E-certification no.

Contribution towards development of e-content/MOOCs in 4- quadrants: NOT APPLICABLE

S.No.	Details of E-contents/ MOOCs in 4-quadrants	Quadrants developed	No. of Modules	Course	Sponsoring agency	Year	Level (UG/PG/Other)

Contribution towards conduct of MOOCs: NOT APPLICABLE

S.No.	Details of MOOC	Subject	Sponsoring agency	Level (UG/PG/Other)	Year	E-certification no.

Organizing seminars/ conferences/workshops, other college/university activities

S.No.	Nature of Activity	Level (UG/ PG)	Institution/Department	Period	
				From	To
1	Webinar on “Wonder that is Nano: Emerging trends in Nanotechnology”	UG	Physics Department, Daulat Ram College, DU	28 th September 2020	28 th September 2020
2	“Ingenious”, the scientific movie making and editing competition	UG	Coherence- Physics Association, Physics Department, Daulat Ram College, DU	29 th September 2020	29 th September 2020
3	Science Quiz “Ciencia”.	UG and PG	Coherence- Physics Association, Physics Department, Daulat Ram College, DU	25 th November 2020	25 th November 2020
4	Pen it Down Competition	UG and PG	Coherence- Physics Association, Physics Department, Daulat Ram College, DU	25 th November 2020	25 th November 2020
5	“What Do You Meme ?” - The Meme Making Competition	UG	Coherence- Physics Association, Physics Department, Daulat Ram College, DU	5 th February 2021	5 th February 2021
6	Webinar on “What is Data Science? Its relevance and opportunities”.	UG	Physics Department, Daulat Ram College, DU	17 th February 2021	17 th February 2021
7	Yoga Posture Making Competition	UG	Coherence- Physics Association, Physics Department, Daulat Ram College, DU	8 th March 2021	8 th March 2021
8	Shaheed Diwas	UG	Coherence- Physics Association, Physics Department, Daulat Ram College, DU	14 th March 2021	14 th March 2021

9	Comic Science Competition	UG	Coherence- Physics Association, Physics Department, Daulat Ram College, DU	16 th March 2021	16 th March 2021
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Creation of ICT mediated Teaching Learning pedagogy and content and development of new and innovative courses and curricula
Development of Innovative Pedagogy e module

NOT APPLICABLE

S.No.	Name of the Module	Subject	Stream	Organization for which it was developed	Year	Level (UG/PG/Other)	Weblink

Research Projects ongoing 2017-21

S.No	Name of Research Project	Funding Agency	National/International	Duration	Amount Sanctioned	Amount Received
NIL	NIL	NIL	NIL	NIL	NIL	NIL

Research projects Completed 2017-21

S.No	Name of Research Project	Funding Agency	National/International	Duration	Amount Sanctioned	Amount Received
NIL	NIL	NIL	NIL	NIL	NIL	NIL

Publications:

Books

S.No	Citation	Publisher	Date of publishing	Authored/Edited	ISBN No
NIL	NIL	NIL	NIL	NIL	NIL

Book Chapters/Articles

S.No	Citation	Publisher	Date of publishing	Authored/Edited	ISBN No
NIL	NIL	NIL	NIL	NIL	NIL

E- Modules

S.No	Citation	Publisher	Date of publishing	Authored/Edited	Link
NIL	NIL	NIL	NIL	NIL	NIL

Research Publications:**International**

S.No	Citation	Date of Publishing	Impact Factor	UGC Care List Journal Yes/No	Scopus Indexed Journal Yes/No	ISSN No
1	Rohit Medwal, Neeru Sehdev , Wang Ying, R.S. Rawat and S. Annapoorni, “Dense-Plasma-Driven Ultrafast Formation of FePt Organization on Silicon Substrate” Bull. Mater. Sci 40 (2017) 233	2017	1.392	YES	YES	0973-7669
2	Neeru Sehdev , Rohit Medwal, Rakesh Malik, Asokan Kandasami, Dinakar Kanjilal and S. Annapoorni, “Thermal annealing and transient electronic excitations induced interfacial and magnetic effects on Pt/Co/Pt trilayer.” Nuclear Inst. and Methods in Physics Research B 420 (2018) 50	2018	1.270	YES	YES	0168-583X

National

S.No	Citation	Date of Publishing	Impact Factor	UGC Care List Journal Yes/No	Scopus Indexed Journal Yes/No	ISSN No
NIL	NIL	NIL	NIL	NIL	NIL	NIL

Conference Proceedings publication

S.No	Citation	Date of Publishing	Name of conference	Venue of conference	ISBN No
NIL	NIL				

Conference/Workshop Attended and Paper presentation

S.No	Type of Event	Name of Event	Venue of conference	Date of conference	Attended	Paper presented	No of papers presented
1	International Webinar	Modern Approach on Magnetism and Material Science in Engineering	Online Platform, Department of Physics in association with IEEE RAS Chapter, MIT, Mysore	15 th -18 th September 2020	YES	NO	NA
2	National Webinar	“Footprints of Indian Women in Science”	Department of Chemistry, Daulat Ram College, University of Delhi.	25 th August 2021	YES	NO	NA
3	National Webinar	“Basics of Income Tax and E-filing for ITR for Salaried Individuals for FY 2020-21”	Online Platform, Department of Commerce, Daulat Ram College, University of Delhi.	1 st September 2021	YES	NO	NA
4	National Webinar	“Current Trends in Science and Technology”	Online Platform, Department of	3 rd September 2021	YES	NO	NA

			Mathematics, Daulat Ram College, University of Delhi.				
5	Webinar	“Misinformation and Online Safety Practices”	Online platform, Gender Champion Cell of Daulat Ram College, Delhi University.	3 rd June 2020	YES	NO	NA
6	Workshop	NIUS Teacher development workshop on Thermal & Statistical Physics	Homi Bhabha center for Science Education (TIFR) Mumbai.	10-13 th December' 2019	YES	NO	NA
7	Conference	Mega event “Global Bio India 2019”	Aerocity, New Delhi.	21-23 rd November 2019	YES	NO	NA
8	Workshop	Soft Skill Development in New Age Teaching	Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi	19 th October 2019	YES	NO	NA

Resource Person (Conference/seminar/ workshop/training programme/ educational trips)

S.No	Type of Event	Name of Event	Venue	Date of Event	State your role: Convener/Mem ber organizing committee/ Speaker/ Coordinator	Durati on of Activit y	No of participan t in the program me
1	Webinar	Photonics for Energy conversion and conservation”	Online platform	13 th Septemb er 2021	Member of Organizing Committee	2 hours	~90

2	Webinar	“What is Data Science? Its relevance and opportunities”.	Online platform	17 th Feb 2021	Coordinator	2 hours	~120
3	Skill Development Program	Enhancing Learning Through ICT Tools for 1 st year students	Online Platform	17 th – 19 th Decemb er’ 20	Speaker and Member of Organizing committee	3 days	~50
4	Webinar	“Wonder that is Nano: Emerging trends in Nanotechnology”	Online Platform	28 th September 2020	Coordinator	2 hours	~90
5	Skill Development Program	Enhancing Learning Through ICT Tools for 2 nd and 3 rd year students	Online Platform	17 th – 19 th August’ 20	Speaker and Member of Organizing committee	3 days	~50
6	Webinar	Webinar on “Art and Science of Mentoring”	Online Platform	1 st June’20	Member organizing committee	1 hour	165
7	Workshop	“Quantum Mechanics & its Applications”	Daulat Ram College, Delhi University	24 Sep 2019	Member organizing committee	1 Day	~ 200
8	Skill Development Program	Latex & its Applications	Physics Department, Daulat Ram College, University of Delhi.	12-19 July, 2019	Speaker and Member organizing committee	7 Days	25
9	National Symposium/ Workshop	Yoga and Meditation for the Holistic Well Being	Daulat Ram College, University of Delhi.	7th March, 2019	Member organizing committee	1 Day	~ 100
10	Skill Development Program	Basic Electronics Skills and Applications	Physics Department, Daulat Ram College, University of Delhi	24-31 Decemb er, 2018	Speaker and Member organizing committee	7 Days	25
11	Department	INSPIRE camp	Daulat	17-21	Member	5 Days	~250

	of Science and Technology INSPIRE camp 2018	2018	Ram College, University of Delhi	December, 2018	organizing committee		
12	Educational Trip	NPL Visit	National Physics Laboratory	28 th Sep 2018	Coordinator	1 Day	40

Awards Won

S.No	Name of Award	Awarding Agency	Government/ NGO/ International/Private	Recognition area	Date of award	Type of Honor received
NIL	NIL					

Extension Activity (Community related program)

S.No.	Type of Activity	Centre and Venue	Title of Event	Role in the event	Date/period of Event	No of members of the community/students /Faculty benefitted
NIL	NIL					

Membership of Professional Bodies

S.No	Type of Membership	Organisation	Year of Membership
NIL	NIL		



Signature
Dr. Neeru Sehdev
Physics Department