




University of Delhi

Faculty Detail Performa (2017-21)



Dr. Shobhit Sachan

Name	Dr. Shobhit Sachan	
Designation	Assistant Professor (Ad-hoc)	
Phone No	+91 9450150793	
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Educational Qualification

Degree	Institution	Year
B. Sc.	C S J M University Kanpur	2001
M. Sc.	C S J M University Kanpur	2003
M. Phil.	UIET, C S J M University Kanpur	2008
Ph. D.	Department of Physics, Banaras Hindu University, Varanasi	2016

Full Time Research Experience

Designation	Institute	Time period	Nature of Appointment
Research scholar (CSIR JRF and then SRF)	Department of Physics, Banaras Hindu University, Varanasi	Sep 2008-Dec 2014	NA

Full time Teaching Experience

S. No	Designation	Institution	Time Period	Nature of Appointment
1	Assistant Professor	Department of Applied Sciences and Humanities KNIT Sultanpur - 228 118, India	January, 2016 to June, 2016	Guest
2	Assistant Professor	Department of Applied Sciences and Humanities Rajkiya Engineering College, Mainpuri, India	August, 2016 to December, 2017	Guest
3	Assistant Professor	SRMU Barabanki	January, 2018 to September, 2021	Permanent

Administrative Assignments

Name of Institute	Designation	Status	Time period	Experience

Areas of Interest in Teaching:

Relativity, Modern Physics, Mathematical Physics, Quantum Mechanics, Mechanics, Statistical Mechanics

Subjects Taught

S.No	Course	Subject Taught	Semester	Year
1	B. Tech.	Engineering Physics-I	I	2016
2	B. Tech.	Engineering Physics-II	II	2016, 2017
3	B. Sc.	Basic Electronics	III	2019, 2020, 2021
4	B. Sc.	Classical and Statistical Mechanics	IV	2018, 2019, 2020
5	M. Sc.	Electrodynamics	I	2020
6	M. Sc.	Statistical Mechanics	II	2021
7	B. Sc.	Electromagnetic Theory	IV	2018
8	B. Tech.	Physics for Computer Science	I	2019, 2020, 2021
9	B. Tech.	Physics for Civil Engineering	II	2019, 2020, 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

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	Delivered lectures on GTR Calculations Using MATHEMATICA and MAPLE at Exploring the Black Hole Solutions in Modified Gravity..		Aug 23, 2021	Aug 29, 2021	Department of Physics, GLA University, Mathura
2	Online faculty development programme on Quantum Computing		Aug 24, 2021	Aug 29, 2021	jointly organised by Electronics and ICT Academy MNIT Jaipur, NIT Patna & PDPM IIIT DM Jabalpur
3	Fifth faculty development programme on Challenges on Assuring Quality in Higher Education and Research.	Barabanki	JULY 02, 2018	JULY 07, 2018	Sri Ramswaroop Memorial University, Lucknow-Dewa Road
4	One week faculty development programme on Advance Course on Antennas and Microwaves	Kanpur	JAN 30, 2017	FEB 4, 2017	Department of Electronics Engineering, School of Engineering Harcourt Butler Technical University, Kanpur
5	One week faculty development programme on Disaster Management and Mitigation Measures	Sultanpur	APRIL 26, 2016	APRIL 30, 2016	Kamla Nehru Institute of Technology, Sultanpur.
6	School on Loop Quantum Gravity	Chennai	SEPTEMBER 22, 2010	SEPTEMBER 30, 2010	Institute of Mathematical Sciences, Chennai.
7	XXV th DST-SERC Mains School in Theoretical High Energy Physics,	Chandigarh	APRIL 02, 2010	APRIL 22, 2010	Department of Physics, Punjab University, Chandigarh.

8	XXV th DST-SERC Preparatory School in Theoretical High Energy Physics	Chennai	OCTOBER 04, 2009	OCTOBER 30, 2009	Indian Institute of Technology, Chennai.
9	Mini-Workshop on Higher Spin Theories and Holography.	Allahabad	NOVEMBER 23, 2011	NOVEMBER 26, 2011	Harish-Chandra Research Institute, Allahabad.

MOOCs completed with e-certification:

S . N o .	Details of MOOC	Subject	Certificati on providing agency	Date of certification	Level (UG/PG/Other)	Year	E- certification no.

Contribution towards development of e-content/MOOCs in 4- quadrants:

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:

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/	Institution/Department	Period	
				From	To

		PG)			
1					
2					
3					
4					
5					
6					
7					
8					
9					

Creation of ICT mediated Teaching Learning pedagogy and content and development of new and innovative courses and curricula
Development of Innovative Pedagogy e module

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

Research projects Completed 2017-21

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

Publications:**Books**

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

Book Chapters/Articles

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

E- Modules

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

Research Publications:**International**

S.No	Details of Publication (Authors, Title of article, Journal, Volume, Issue, Year, Page range of article, URL/DOI)	Date of Publishing	Impact Factor	UGC Care List Journal Yes/No	Scopus Indexed Journal Yes/No	ISSN No
1	SHOBHIT SACHAN & Sanjay Siwach: <i>Thermodynamics of soft wall in Einstein-Maxwell-Gauss-Bonnet Gravity</i> , [arXiv:1312.5508], Published in CJP, DOI: http://dx.doi.org/10.1139/cjp-2020-0226 .	2021	1.23	Yes	Yes	0008-4204
2	R P Singh, B K Singh, B R K Gupta and Shobhit Sachan : Thermodynamic properties of Bardeen black holes in dRGT massive gravity DOI: https://doi.org/10.1139/cjp-2021-0092	2021	1.23	Yes	Yes	0008-4204
3	SHOBHIT SACHAN : <i>Study of</i>	2014	1.74	Yes	Yes	1687-

	<i>Confinement/Deconfinement Transition in AdS/QCD with generalized warp factors</i> , Advances in High Energy Physics, Volume 2014 (2014) , Article ID 543526 , [arXiv:1408.3230].					7357
4	Dharm Veer Singh & SHOBHIT SACHAN : <i>Logarithmic corrections to the entropy of scalar field in BTZ black hole spacetime</i> , International Journal of Modern Physics D, Vol. 26, No. 4 (2017) 1750038, [arXiv:1412.7170].	2017	2.461	Yes	Yes	0218-2718
5	SHOBHIT SACHAN & Sanjay Siwach: <i>Thermodynamics of soft wall AdS/QCD at finite chemical potential</i> , Modern Physics Letters A, Vol. 27 , No. 28 (2012) 1250163, [arXiv:1109.5523].	2012	2.066	Yes	Yes	0217-7323

National

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

Conference Proceedings publication

S.No	Details of Publication(Authors, Title of article, Journal, Volume, Issue, Year, Page range of article, URL/DOI)	Date of Publishing	Name of conference	Venue of conference	ISBN No
1	Sanjay Siwach & SHOBHIT SACHAN : <i>Some applications of AdS/QCD</i> , Nuclear Physics B proceedings Supplements, 251-252, (2014) 150-153	July 2014	International Conference on Light-Cone Physics	New Delhi	09205632

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							

2							
3							
4							
5							
6							
7							

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/Member organizing committee/ Speaker/ Coordinator	Duration of Activity	No of participant in the programme
1	National	National Strings Meeting (NSM) 2013	Indian Institute of Technology, Kharagpur	2013	Speaker	NOVEMBER 22-27, 2013	Approx. 50
2	National	Recent Developments in Field Theory - 2015 Institute of Physics, Bhubneshwar	Institute of Physics, Bhubneshwar	2015	Speaker	JULY 17 - 19, 2015	Approx. 50
3	International	<i>Study of hard wall model of ads/qcd with Gauss-Bonnet term,</i> International Conference in New Trends in Field Theory (NTFT-6)	Department of Physics, Banaras Hindu University, Varanasi.	2018	Speaker	NOVEMBER 25-30, 2018	Approx. 60
4	International	<i>Study of confinement/deconfinement in AdS/QCD models</i> International Conference in New Trends in Field Theory	Department of Physics, Banaras Hindu University, Varanasi.	2018	Speaker	NOVEMBER 01-05, 2014	Approx. 60
5	National	National	Department	2001	Speaker	DECEMBER	Approx.

		Conference on New Dimensions of Higher Physics & Information Technology	nt of Physics, D B S College, Govind Nagar, Kanpur.			ER 16- 17, 2001	40
6							
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10							
11							
12							

Awards Won

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

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

Membership of Professional Bodies

S.No	Type of Membership	Organization	Year of Membership
1	Life	Indian Physics Association (VAR/LM/12846)	2012

Signature

Physics Department