Faculty Details Proforma For College Web-site

Title	Ms.	First Name	Manisha	Last Name	Meena	Photograph
Designation		**Assistant professor**				
Address		**Vpo – Boorthal near Goner road and Hingonia Goshala, Tehsil – Bassi, 303012, District – Jaipur, State - Rajasthan**				
Phone No. Office						
Residence		**132, Second floor, Bhai Parmanand Colony, Delhi - 110009**				
Mobile No.		**9462775188**				
Email - ID		**manishameena@dr.du.ac.in**				
Web Page						

Educational Qualification

Degree	Institution	Year
B.Sc.	Saini Adarsh P.G. College, University of Rajasthan	2015
M.Sc. (Physics)	University of Rajasthan, Jaipur	2017
Ph.D. (pursuing in Physics)	IIT Bombay	2017 – till date

Career Profile

1. Teaching assistantship during Ph.D. work from 2016 to 2021.
2. Assistant professor of Physics in Daulat Ram College, Delhi University since 6th October 2022.

Administrative Assignments

1. Member of Library committee in Daulat Ram College, Delhi University
2. Member of India Today ranking committee in Daulat Ram College, Delhi University

Areas of Interest / Specialization

Areas of Interest: Classical Mechanics, Nuclear and Particle Physics, Mathematical Physics, High Energy Physics, Computer Programming Languages: Fortran, Python, Matlab, C, C++, Electrodynamics, Quantum Mechanics, Machine Learning, Computer Simulations and Coding, Radiation Physics, Accelerator Physics, Design and Simulations of Accelerator Components, Wastewater Purification using radiation.

Specialization: RF Design and Beam Dynamics Studies of a $\beta = 1$, 1.3 GHz Single Cell Accelerating Cavity for High Intensity Compact Superconducting Electron Accelerator (HICSEA) & Arsenic Removal from Wastewater by Electron Beam Irradiation

Subjects Taught

Theory: Mechanics, Advanced mathematical physics, Classical dynamics, Communication systems
Laboratory course: Document preparation and presentation software, Mathematical physics - 3, Advanced mathematical physics, Statistical mechanics, Mechanics

Research Guidance

NIL

Publications Profile

Conference Proceedings publication:

1. RF design and optimization of a β = 1, 1.3 GHz single cell accelerating cavity for High Intensity Compact Superconducting Electron Accelerator (HICSEA), InPAC-2022.
2. Multiphysics study of an optimized β = 1, 1.3 GHz single cell superconducting elliptical cavity, InPAC-2022.
3. RF design, optimization and multiphysics study of a β = 1, 1.3 GHz single cell accelerating cavity for High-Intensity Compact Superconducting Electron Accelerator (HICSEA), LINAC-2022.

Conference Organization / Presentation (in the last three years)

1. Indian Particle Accelerator Conference (**InPAC-2022**), at Variable Energy Cyclotron Centre, Kolkata in March 2022 on "RF design and optimization of a β = 1, 1.3 GHz single cell accelerating cavity for High Intensity Compact Superconducting Electron Accelerator (HICSEA)".
2. Indian Particle Accelerator Conference (**InPAC-2022**), at Variable Energy Cyclotron Centre, Kolkata in March 2022 on "Multiphysics study of an optimized β = 1, 1.3 GHz single cell superconducting elliptical cavity".
3. 31st Linear Accelerator Conference (**LINAC**), Liverpool (England) in September 2022 on "RF design, optimization and multiphysics study of a β = 1, 1.3 GHz single cell accelerating cavity for High-Intensity Compact Superconducting Electron Accelerator (HICSEA)".

Research Projects (Major Grants/Research Collaboration)

NIL

Awards and Distinctions

1. INSPIRE fellowship during 2013-2017 for completing graduation and post-graduation on the basis of marks in 12^{th} board exam.

Association with Professional Bodies

1. Lifetime member of "Indian Society of Particle Accelerators (ISPA)" since 2020.

Other Activities

None