

Department of Physics

Uka Tarsadia University

Name	Vishva Mahavir Jain		
Qualification	MSc Physics		
Designation	Teaching Assistance		
Date of Joining	01/07/2013		
Date of Birth	02/01/1991		
Area of Interest	Condensed Matter Physics		
Career Profile			
Organization/ Institution	Designation	Duration	Role
Uka Tarsadia University	Teaching Assistant	2013 till date	Teacher, Counsellor, Examiner, Evaluator
Teaching Experience (Subjects/Courses Taught)			
Year	Subjects	UG/PG/Programme	
2013-2014	Basic Physics	Diploma Eng. (CGPIT)	
	Engineering Physics	UG (Btech)	
	Fundamenatl of Biomedical Physics	UG (Phsiotherapy)	
	Biophysics	Post Diploma (Bsc. Nursing)	
2014-2015	Basic Physics	Diploma Eng. (CGPIT)	
	Engineering Physics	UG (Btech)	
	Fundamenatl of Biomedical Physics	UG (Phsiotherapy)	
	Biophysics	Post Diploma (Bsc. Nursing)	
2015-2016	Engineering Physics	UG (Btech)	
	Classical Mechanics	UG(Int. MSc Physics)	
2016-2017	Physics	UG (Btech)	
	Electricity and Magnetism	UG(Int. MSc Physics)	
	Thermal Physics	UG(Int. MSc Physics)	
	Nuclear Physics	UG(Int. MSc Physics)	
	Fundamenatl of Biomedical Physics	UG (Phsiotherapy)	
	Mathematical Physics	PG(MSc Physics)	
	Statistical Physics	PG(MSc Physics)	
2017-18	Physics	UG (Btech)	
	Electricity and Magnetism	UG(Int. MSc Physics)	
	Thermal Physics	UG(Int. MSc Physics)	
	Mathematical Physics	PG(MSc Physics)	
2018-19	Thermal Physics	UG(Int. MSc Physics)	
	Solid State Physics	UG(Int. MSc Physics)	
	Nuclear Physics	UG(Int. MSc Physics)	
	Classical Mechanics	PG(MSc Physics)	
	Electrodynamics	PG(MSc Physics)	
2019-20	Thermal Physics	UG(Int. MSc Physics)	
	Solid State Physics	UG(Int. MSc Physics)	

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	Nuclear Physics	UG(Int. MSc Physics)
	Electricity and Magnetism	UG(Int. MSc Physics)
	Classical Mechanics	PG(MSc Physics)
	Electrodynamics	PG(MSc Physics)
2020-21	Thermal Physics	UG(Int. MSc Physics)
	Solid State Physics	UG(Int. MSc Physics)
	Nuclear Physics	UG(Int. MSc Physics)
	Electricity and Magnetism	UG(Int. MSc Physics)
	Classical Mechanics	PG(MSc Physics)
	Electrodynamics	PG(MSc Physics)
2021-22	Atomic and Molecular Physics	UG(Int. MSc Physics)
	Solid State Physics	UG(Int. MSc Physics)
	Applied Optics	UG(Int. MSc Physics)
	Nuclear Physics	PG(MSc Physics)
	Classical Mechanics	PG(MSc Physics)
	Electrodynamics	PG(MSc Physics)

Publications

Year	Title	Reference	Publication Type
2022	Study of vanadium pentoxide thin film prepared by spin coating method	Materials Today: Proceedings	International
2021	Study of molybdenum trioxide thin film deposited using dip coating method	Materials Today: Proceedings	International
2021	Synthesis and characterization of α - MoO_3 nanoplates: A feasibility study to remove methylene blue from aqueous medium”	IOP Conference Series: Materials Science and Engineering	International
2020	Surfactant Free Synthesis and Study of Vanadium Pentoxide Nanostructure	Journal of Nano and Electronics Physics	International
2020	Deposition and Characterization of Indium Selenide Thin Films for Opto-electronic Devices	Journal of Nano and Electronics Physics	International
2018	Structural, compositional and optical properties of spin coated MoO_3 thin film	AIP Conference Proceedings	International

Conferences/ Seminar/ Workshop/ Training attended

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Title	Organization	Place	Date
Science Academies' 57 th refresher course in Experimental Physics,	PDPIAS ,Changa sponsored by IAS Bangalore ,INSA New Delhi And NASI, Allahabad	Department of physical science PDPIAS, Changa	18 th March to 2 nd April, 2014
STTP on Recent Trends in Nanomaterials Synthesis, Characterization and Application	Department of Chemical engineering ,SVNIT	SVNIT ,Surat	14 th to 18 th October, 2013
National conference on Electron Collision Processes In Atomic And Molecular Physics	Department of Electronic, VP & RPT Sci. College	Vallabh Vidyanagar	7 th to 9 th March, 2013
National conference on Recent Trends In Theoretical And Experimental Physics	Department of Physics, VP & RPT Sci. College	Vallabh Vidyanagar	18 th to 19 Feb, 2011
Seminar on Current Trends In Research And Application Of Physical Science in Gujarat	Department of Physics, S.P. Uni.	Vallabh Vidyanagar	29 th Dec., 2012
Recent Advances in Engineering Sustainability	CGPIT, UTU	Bardoli	29 th to 30 th May, 2015
Challenges and Opportunities in Technical Education in the Era of Sustainable Development,	ISTE and CGPIT	Bardoli	25 th Oct. 2015
Nuclear Technology for Raising Standard of Living	C.C.Patel Community Sci. and BARC	Vallabh Vidyanagar	11 th Sept., 2011
One-day seminar on Current Trends in Physics o Ahmedabad	Indian national Science academy Gujarat/Rajasthan chapter, and physical research laboratory,	Ahmedabad	5 th Dec., 2010
Advanced Scientific Tools For Materials and Nuclear technology	Department of Applied Physics,SVNIT,Surat	SVNIT	2nd -6th May, 2016
Nanotechnology and Biotechnology- the pinnacle of Scientific Efforts	Department of Applied Physics,SVNIT,Surat	SVNIT	20th-24th March, 2017
National Science Day, State level Project/Poster Competition	Sponsored by Gujcost and IAPT , Modasa	MODASA	24th-25th Feb. 2017
Paper Presented			

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Year	Title	Reference	
2015	Study of Dimension Dependent Debye Temperature of Titanium Dioxide Nanoparticles	NCRAES-2015, ISBN- 9789383767304	
Other Achievements			
1) Best poster presentation in The National Conference on Electron Collision Processes in Atomic and Molecular Physics. 2) Got second rank in Minaxi-Lalit exam at district level 3) Qualified STATE ELIGIBILITY TEST FOR ASSISTANT PROFESSOR - 2017			
Membership of Professional Bodies			
Life time member of Indian Association Of Physics Teacher			
Public Service/ University Service/ Consulting Activity			
Admission Coordinator, Counselling of students, Time table committee, Co-curricular committee, extra-curricular committee, Examination committee, Chair person for University Practical Examination, University Exam Supervision, Paper setting and Assessment, Data Collection Committee , 5S implementation cell, NAAC committee.			
Participation in other Activities			
1) Member of organizing committee for one day workshop on Application of Nanotechnology in Science and Technology sponsored by GUJCOST			
2) Member of organizing committee for one day workshop on “Women Empowerment” held at C.G.Patel institute of technology			
3) Member of organizing committee of Three days’ workshop on "Hands on training: Solar Photovoltaic and Nanotechnology" held on 15-17th May,2017 at Department of Physics, UTU			
4) Member of organizing committee of Three days workshop on "Hands on Training on Experimental Techniques and LATEX programming, held on 29th -31st May,2017 at Department of Physics, UTU			
Projects (Major/ Minor Grants)			
Project Grant	Sponsored Agency	Duration	Completed/ On going
60000	UTU	2018-19	Completed
12000	SSIP, Gov. of Gujarat	2019-20	Ongoing
75000	UTU	2021-22	Ongoing

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