



# Manisha Kumari Meena

Master of Science'25(Physics)  
Department of Physics  
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## EDUCATION

Year	Degree/Certificate	Institute	Percentage
2023-Present	M.Sc.	Indian Institute of Technology,Jodhpur	7.52
2020-2023	B.Sc.	University of Maharani College,Jaipur	88%
2020	RBSE(XII)	Tagore Public Senior Secondary School,Sapotra	96.20%
2018	RBSE(X)	Secondary Adarsh Vidhya Mandir,Sapotra	95.67%

## AREA OF INTEREST

- Soft Matter Physics
- Plasma Physics

## TECHNICAL SKILLS

- **Programming Languages:** Python
- **Technical skills:** Project Experience with GROMACS, Xmgrace, Visual Molecular Dynamic (VMD)
- **Operating Systems:** Windows, Linux & Android

## COURSE WORK

- **Basic Course:** Linear Algebra,Basic Calculus, Discrete Math, Probability and Random process
- **Core Course:** Mathematical Physics, Quantum Mechanics, Classical Mechanics, Statistical Physics, Electronics, Condensed Matter Physics, Nuclear & particle Physics, Soft Matter Physics, Physics of Atoms & Molecules, Electrodynamics, Statistical Methods of Data Analysis, Introduction to Medical Physics, Advanced Condense Matter Physics
- **Elective Course:** Soft Matter Physics, Statistical Mechanics and Molecular Simulation
- **Lab Courses:** Electronics, Condensed Matter Physics, Atomic & Nuclear Physics Lab, Laser & Optics Lab, Computational Physics Lab

## ACHIEVEMENTS

- **IIT JAM Physics**, Qualified in 2023
- **Inspire Scholarship**, Awarded by Department of Science and Technology(DST)
- **Girls district topper**, in 12th standard
- **Girls district topper**, in 10th standard

## POSITIONS OF RESPONSIBILITY

- **Student**, Master's at Indian Institute of Technology,Jodhpur *2023-Present*

## M.Sc. THESIS

- **Thesis Title** - "MSD & Density dependency on Temperature and salt concentration of PEO-NaPF6 electrolyte".  
Supervisor - **Dr. Santosh Mogurampelly**

## CONFERENCE ACTIVITIES

- **Poster Presentation:** On "**Salt Concentration Effects on the Glass Transition Temperature of PEO-NaPF6 Electrolytes**," at the Second International Conference on Recent Trends in Applied Physics & Material Science (RAM 2024), November 15-16, 2024.

## ADVANCED LEARNING EXPERIENCES

- **Summer Shool:** Vigyan Vidushi 2024 (Physics) - a TIFR advanced program held from May 27 to June 15, 2024, focusing on advanced topics in physics.

## CERTIFICATIONS

- Vigyan Vidushi(Physics)-2024
- Certificate in Molecular Modeling of Nanomaterials and Biomolecules - 5-day online workshop, certified by Holy Cross College (Autonomous), Tiruchirappalli.

## HOBBIES

- Reading, Teaching, Physical fitness, Playing & Dancing