Maulana Azad National Institute of Technology Bhopal

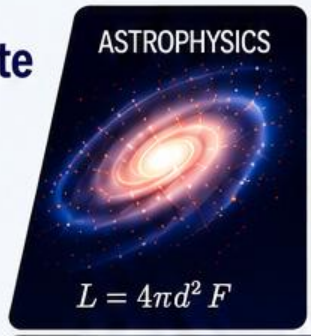
— Department of Physics —

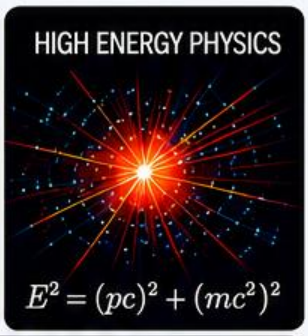
Build Your Future with

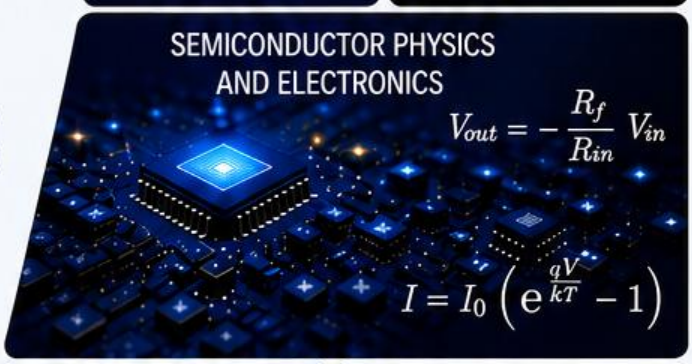
M.Sc. Physics

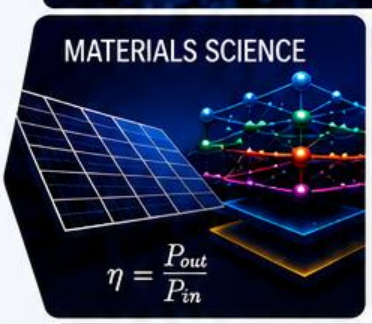
Explore • Understand • Innovate

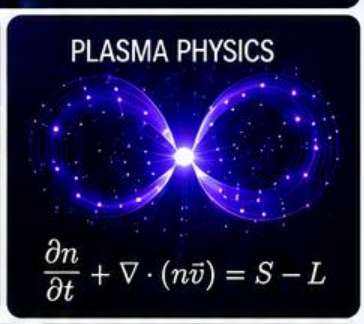
A gateway to knowledge, research and limitless possibilities.

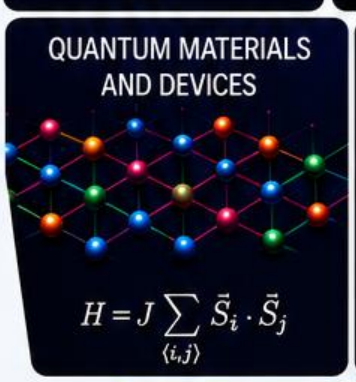


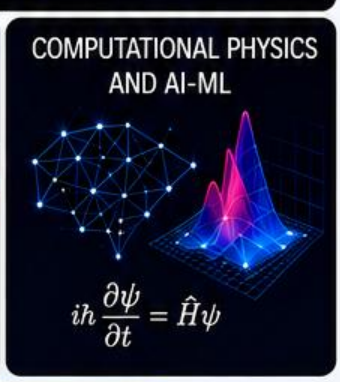












Why Choose M.Sc. Physics?

- **Strong foundation in** fundamental & applied physics
- **Pathway to Ph.D. and** competitive exams (GATE/CSIR-NET/JEST)
- **Advanced analytical,** problem-solving & computational skills
- **Career opportunities in** research labs, industries, **academia and technology sector**
- **Exciting research in cutting-edge** areas (Semiconductor and Quantum materials, Energy and functional materials, Plasma physics, Astrophysics and High energy physics)
- Interdisciplinary exposure & preparation for emerging technologies
- **Hands-on labs, simulations & real-world projects**
- Aligns with National Quantum Mission and India Semiconductor Mission

About the Programme

The M.Sc. (Physics) programme covers essential physics courses and laboratory practicals. Theory courses are aligned with the GATE/CSIR-NET/JEST syllabus.

The programme is enriched with advanced electives such as Semiconductor Devices, Thin Films, and Solar Photovoltaic Technology, Quantum many-body physics, Quantum Materials, Astrophysics, Plasma Physics, AI/ML in Physics, Quantum Field Theory, General Relativity. These electives align well with the Government of India Semiconductor Mission and National Quantum Mission.

Students undertake a research project in the fourth semester to nurture research aptitude and prepare for future academic and research careers.

Career Opportunities

- **Ph. D.** with fellowships from different funding agencies.
- **Academia & Research:** Path to Lecturer/ Assistant Professor after NET/JEST.
- **Industry Collaboration:** Exposure through partnerships with top companies and institutes.
- **Defence and administrative services** through competitive exams like UPSC, MPPSC, CDS, etc.

APPLY THROUGH

CCMN 2026

CENTRALIZED COUNSELING FOR M. Sc. / M. Sc. (TECH.) ADMISSION THROUGH JAM

https://ccmn.admissions.nic.in/

Choose **MANIT Bhopal & Program**

IMPORTANT DATES

As per CCMN 2026 schedule

*Please visit the official CCMN website for updates

https://ccmn.admissions.nic.in/

FOR ADMISSION QUERIES:

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