



**SAVITRIBAI PHULE  
PUNE UNIVERSITY  
(SPPU)**

ESTABLISHED IN

**1950**

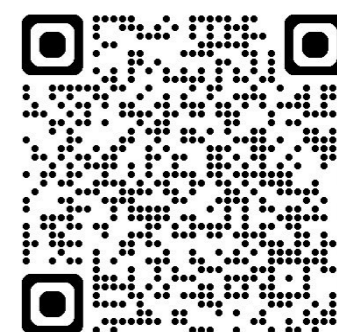
# M.Sc. PHYSICS

**— ADMISSION 2026 —**

*From Fundamentals to Frontiers in Physics*

The Department of Physics at SPPU offers a two-year (4 semesters) M.Sc. Physics programme under NEP-2020, designed to provide strong theoretical foundations, experimental expertise, and computational skills.

The programme emphasizes academic flexibility, interdisciplinary learning, and research orientation, preparing students for global careers in science and technology.



**APPLY ONLINE**

<https://campus.unipune.ac.in/CCEP/CampusAdmission/index.html>

## SPECIALIZATIONS OFFERED

- Experimental Physics
- Theoretical Physics
- Computational Physics
- Astronomy & Astrophysics  
(in collaboration with IUCAA, Pune)



## CORE AREAS OF STUDY

- Advanced Quantum Mechanics
- Condensed Matter Physics
- Materials Science & Nanotechnology
- Semiconductor Devices & Thin Films
- Quantum Information & Computation
- Nuclear Techniques
- Plasma Physics & Technology
- General Relativity & Black Holes
- Energy Studies
- Biophysics & Soft Condensed Matter



## WHY CHOOSE SPPU PHYSICS?



### ACADEMIC EXCELLENCE

- Blend of chalk-board, ICT-enabled, and smart teaching methods
- Strong focusing conceptual clarity and problem-solving
- Small tutorial batches (~25 students) for competitive exam preparation (NET/GATE/SET)



### LABORATORY & RESEARCH TRAINING

- Advanced laboratory courses with rigorous viva and hands-on experiments
- Exposure to computational physics and numerical methods
- Research projects in the department and premier national institutes



### UNIQUE LEARNING ECOSYSTEM

- Collaboration with IUCAA & NCRA (TIFR) for astrophysics training
- Access to Prof. Bhide Library and digital resources
- Wi-Fi enabled campus and computational facilities
- Student-led Raman Memorial Conference



### STUDENT SUPPORT

- Remedial courses in Mathematics, Quantum Mechanics, Electrodynamics
- Departmental Scholarships for meritorious students
- Peer-learning through Swadhyaya initiative

## CAREER & PLACEMENT HIGHLIGHTS



~10 students/year qualify CSIR-NET, GATE, SET, JEST



~20 students/year enter Ph.D. programs in premier institutes



~5 students/year pursue higher studies abroad



Graduates placed in:

- Academia & Universities
- Research Institutes (IITs, IISc, TIFR, IUCAA, DRDO, ISRO, BARC, etc.)
- Industry (Materials, Vacuum, Coatings, Electronics)
- IT Sector (Modelling & Simulation)

## PROGRAMME DETAILS



Duration  
2 Years  
(4 Semesters)



Total Intake  
90 Seats



Mode  
Full-time

## ADMISSION PROCESS



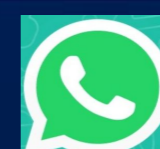
Admission through  
Entrance Examination  
(June 2026)



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NEP-2020  
CURRICULUM



IUCAA  
COLLABORATION



RESEARCH  
EXCELLENCE



BUILD YOUR CAREER  
IN PHYSICS

**EXPLORE. INNOVATE. DISCOVER. LEAD.**