Ph.D. in Physics SRM Andhra Pradesh Andhra Pradesh

The Department of Physics, SRM University-AP, is inviting applications for its full-time Ph.D. programme from highly motivated and passionate students for the academic year 2025–26.

Eligibility Criteria

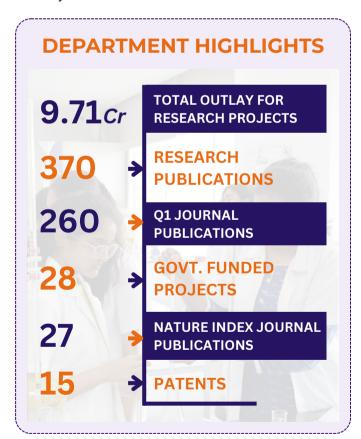
First Class Master's degree and Bachelor's degree in Physics

We Offer

- Fellowship of ₹36000/- per month for the first two years and ₹41000/- per month for the next two years
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- Full waiver of annual tuition ₹41000/-
- Subsidised boarding & lodging/transport facility

Selection Process

- Written test followed by a personal interview
- Candidates with valid GATE scores are exempted from the written test



Contact Details

Interested candidates can apply here https://shorturl.at/hjLT9

Dr Supravat Dey



+91 9866976817

Know more about Dept.



Know more about Research



Our Faculty



Prof. C V Tomy
Dean-SEAS and Professor
Expertise

- 1.Low Temperature Physics
- 2. Magnetism and Superconductivity
- 3. Manganites, Thermoelectric materials, Multiferroic compounds



Prof. Ranjit ThapaDean Research and Professor

Expertise

- 1. Quantum Mechanics/Machine Learning
 Approach
- 2. Catalyst: Theory
- 3. Carbon and Boron Based Materials



Dr Soumyajyoti Biswas Assistant Professor & Head of the Department **Expertise**

- 1. Statistical physics, complex systems, machine learning
- 2. Fracture, breakdown and earthquakes
- 3. Multi-agent models of society.



Dr Pranab Mandal Associate Professor Expertise

- Expertise
 - 1. Materials synthesis
 - 2. Piezoelectrics and ferroelectrics
- 3. Magnetoelectric multiferroics



Dr Sabyasachi Mukhopadhyay Associate Professor Expertise

- 1. Optoelectronic Materials
- 2. Molecular Electronics
- 3. Atomic Force Microscopy



Dr Johannes Kirscher Associate Professor Expertise

Expertise

- 1. Universal properties of few-body systems
- 2. Effective Field Theories
- 3. Quantum dynamics in classical, extreme background fields



Dr Jatis Kumar Dash Associate Professor Expertise

- 1. Fabrication of 2D materials for Flexible Nanoelectronic Devices and Sensors
- 2. Green energy and Hydrogen evolution
- 3. Synthesis of Energy materials and supercapacitors



Dr Gangi Reddy Salla Associate Professor Expertise

- 1. Quantum Optics
- 2. Free optical communication
- 3. Quantum Sensing



Dr Laxmi Narayana Patro
Associate Professor
Expertise

- 1. Solid state ionics
- 2. Materials for solid state batteries and chemical sensors
- 3. Nonlinear conductivity



Dr Amit Chakraborty
Assistant Professor

Expertise

- 1. Theoretical Particle Physics
- 2. Higgs boson Physics, Jet Substructure Physics, Dark Matter Phenomenology
- 3. Machine Learning Applications for Physics
 Beyond the Standard Model



Dr Mallikarjuna Rao Motapothula Assistant Professor

Expertise

- 1. Discovery of Heterogeneous catalysts.2. Ion beam applications.
- 3. Functional nanostructures.



Dr Siddhartha GhoshAssistant Professor

Expertise

- 1. Novel Physics at exotic interfaces grown by pulsed laser deposition (PLD)
- 2. Wettability studies of metal-oxide thin-film surfaces
- 3. Nano-magnetism in transition metal oxides (TMO) and metal-organic frameworks (MOF)



Dr Supravat Dey Assistant Professor Expertise

- 1.Statistical Physics
- 2.Soft-matter
- 3. Biophysics



Dr Debabrata Pramanik Assistant Professor Expertise

- 1. Computational Biophysics
- 2. Statistical Physics
- 3. Rare Events Sampling



Dr Pankaj Bhalla Assistant Professor

Expertise

- 1. Quantum Transport
- 2. Quantum engineered Thermoelectrics
- 3. Theoretical and Computational Quantum **Condensed Matter Physics**



Dr Ravi Kumar Assistant Professor

Expertise

- 1. Optical Information Processing
- 2. Digital Holography
- 3. Computational/Optical Imaging



Dr Ashmita Das Assistant Professor **Expertise**

- 1. Semiclassical Gravity Theories
- 2. Unruh- Fulling Effect and its Applications
- 3. Relativistic Quantum Information & Quantum Gravity Phenomenology



Dr Anita Halder Assistant Professor

Expertise

- 1. First principles electronic & magnetic structure calculation
- 2. Study of strongly correlated materials
- 3. Machine learning assisted materials prediction



Dr Basabendu Barman Assistant Professor

- 1. Particle Physics Phenomenology
- 2. Early Universe Cosmology
- 3. Collider Phenomenology



Dr Nilakantha Meher

Assistant Professor

Expertise

- 1. Quantum Optics
- 2. Quantum Information Processing, Entanglement
- 3. Quantum interferometry, Optomechanics



Dr Krishna Prasad Maity Assistant Professor

Expertise

- 1.2D semiconductors and ferroelectric
- 2. Conducting polymers
- 3. Neuromorphic computing



Dr Swetamber P Das Assistant Professor **Expertise**

- 1. Nonlinear Dynamics and Chaos
- 2. Complex Systems
- 3. Nonequilibrium Physics



Dr Arghya Dutta Assistant Professor **Expertise**

- 1. Machine learning
- 2. (Bio)-Material design
- 3. Quantum mechanics

