

ADVT. NO.: 01/2023

Amendment No. 2

Refer Rolling Advt. No.: 01/2023 dated February 20, 2023 under **SPECIAL RECRUITMENT DRIVE** intended for Reserved Category candidates [SC / ST / OBC-NCL / PwBD (Persons with Benchmark Disabilities) / EWS] for the positions of Assistant Professor (Grade I) and Associate Professor:

Existing	To Be Read As
<p>PRIORITY RESEARCH AREAS - Several Departments have indicated their priority areas for faculty recruitment, as shown below. Notwithstanding anything mentioned below, truly outstanding applications in all relevant areas at IISER Pune may be considered.</p> <p>Department of Biology: Cellular Immunology, Electron Cryomicroscopy / Cryotomography, and Plant Biology.</p> <p>Department of Chemistry: Computational (Inorganic, Physical Organic and Mesoscale Modeling) and Experimental (Bio-inorganic, Natural Product Synthesis, Medicinal Chemistry, Charge/Spin Transport and Spectroscopy at Single Molecular Level) Chemistry.</p> <p>Department of Data Science: Machine and reinforcement learning, Statistical learning, Randomized algorithms, Probabilistic models & Statistical inference, Natural language processing, Deep learning and Interpretable machine learning, Algorithms and theoretical foundations of Data Sciences, Emerging approaches to learning algorithms and tools, Network science, Computer science, Data structure, Numerical analysis, Signal processing and information theory.</p> <p>Department of Earth and Climate Science: Geophysics (Global seismology; Exploration Geophysics; Computational Geodynamics/Geoscience/Seismology), Geology (Petrology; Structural geology & tectonics; Tectonic geomorphology), Climate &</p>	<p>PRIORITY RESEARCH AREAS - Several Departments have indicated their priority areas for faculty recruitment, as shown below. Notwithstanding anything mentioned below, truly outstanding applications in all relevant areas at IISER Pune may be considered.</p> <p>Department of Biology: Cellular Immunology, Electron Cryomicroscopy / Cryotomography, Plant Biology and Virology.</p> <p>Department of Chemistry: Computational (Inorganic, Physical Organic and Mesoscale Modeling) and Experimental (Bio-inorganic, Natural Product Synthesis, Medicinal Chemistry, Charge/Spin Transport and Spectroscopy at Single Molecular Level) Chemistry.</p> <p>Department of Data Science: Artificial Intelligence & Machine Learning, Optimisation, Information theory, Statistical methods & theory, Algorithms & Theoretical Foundations, and Other emerging areas in Data Science across the Disciplines of Computer Science, Applied Mathematics, and Statistics.</p> <p>Department of Earth and Climate Science: Geophysics (Global seismology; Exploration Geophysics; Computational Geodynamics/Geoscience/Seismology), Geology (Petrology; Structural geology & tectonics; Tectonic geomorphology), Climate &</p>

water science (Physical hydrology; Land surface processes; Air-sea interaction; Cloud physics)

Department of Humanities and Social Sciences: Intellectual history, History of science, Anthropology, and Sociology.

Department of Mathematics: Statistics and Theoretical Computer Science

Department of Physics: Astronomy and Astrophysics, Atomic, Molecular and Optical Physics, Complex Systems, Nonlinear Dynamics and Statistical Physics, Hard and Soft Condensed Matter Physics, Gravity and High Energy Physics, Materials physics and Device physics. In addition, keen on candidates in these specific areas: Astro-particle physics, Gravitational-waves and Cosmology, Physics of Living systems, Quantum Technology: Information, Simulations, Materials and Metrology, Strongly correlated systems (theory).

Department of Science Education: Pedagogy of Science. Philosophy of Education, Education practices in Science.

water science (Physical hydrology; Land surface processes; Air-sea interaction; Cloud physics).

Department of Humanities and Social Sciences: Intellectual history, History of science, Anthropology, and Sociology.

Department of Mathematics: Applied Mathematics, Discrete Mathematics and Statistics.

Department of Physics: All areas.

Department of Science Education: Pedagogy of Science. Philosophy of Education, Education practices in Science.

All other terms and conditions of the advertisement remains the same.

Date: 11th April 2023

DEAN, FACULTY