

**Theoretical Sciences Unit (TSU), JNCASR invites applications from individuals seeking nominations for Ramanujan/Inspire Faculty Fellowships**

The Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR) is a premier research institution under the aegis of the Department of Science and Technology, Government of India, and a Deemed-to-be-University. The Theoretical Sciences Unit (TSU) of JNCASR invites applications from Indian scientists seeking nominations for applying to [Ramanujan Fellowships/Inspire Faculty Fellowships](#). The Centre will provide necessary administrative and basic R&D infrastructural facilities to those selected for the fellowship award, for the fellowship duration, in accordance with the fellowship norms.

Eligibility: Ph.D. in the relevant area, minimum 2 years' post-doctoral experience, high-quality publications, high academic credentials, and potential for developing an independent research programme.

Short-listed candidates will be further considered based on seminars and interactions with faculty members of TSU. Selected candidates will be provided with a host-institution endorsement/sponsorship certificate.

The TSU is looking for scientists who will carry out research in frontier areas of theoretical sciences, including but not limited to: machine learning, data science and aspects of information in physical systems; quantum computing and neuromorphic computing, to address problems in physical sciences; self-assembly and nonequilibrium phenomena in physical and biological systems.

Preference will be given to applicants whose research interests complement and provide a new dimension to the Unit's current activities. Selected fellow(s) will carry out independent research and teach Integrated Ph.D. and Ph.D. students. The fellow(s) will be allowed to take one or two Ph.D. students jointly with permanent faculty of the Unit. The centre is equipped with good computational facilities. For details about current research activities, please visit <https://www.jncasr.ac.in/research/research-units/theoretical-sciences-unit>

Please note that these are fixed term fellowships, and the Centre will be under no obligation to offer regular positions to the Fellows.

We especially encourage women candidates to apply.

How to apply: Please send the completed fellowship application, including the following information, in pdf format to the email ids [tsusearch@jncasr.ac.in](mailto:tsusearch@jncasr.ac.in), [tsuchair@jncasr.ac.in](mailto:tsuchair@jncasr.ac.in), [tsusec@jncasr.ac.in](mailto:tsusec@jncasr.ac.in)

1. Completed fellowship application package
2. List of publications in reverse chronological order
3. PDF files of 3 most significant publications
4. A two page research plan
5. A statement of teaching interests that details what courses you would like to teach, any prior teaching experience, and any other relevant information.
6. Names and email addresses of at least three referees

**Last date to receive applications: February 15, 2022.**