University of Hyderabad
SCHOOL OF PHYSICS

Advertisement for an SERB-EMEQ JRF Position

Applications are invited from highly motivated and enthusiastic students to fill one Junior Research Fellow (JRF) vacancy in the SERB sponsored EMEQ Scheme entitled ``*quantum nonequilibrium statistical mechanics and quantum thermodynamics for ultracold gases of atoms at the mesoscopic scale*" at the School of Physics, University of Hyderabad, India. While the maximum duration of the project is up to 4 February 2027, the maximum duration of the Project-JRF position is only six months. However, there is a possibility of extending the Project-JRF position subject to availability of the funds and satisfactory performance of the appointee.

The project work in expected to be a part of the Ph.D. (Physics) work of the selected candidate. In that case, it is expected that the selected candidate would qualify NET/GATE/Equivalent National-Level Test and Ph.D. admission test of the School of Physics, University of Hyderabad. M.Sc./I.M.Sc. qualified students who enjoy spending time with analytic calculations on fundamental sciences and are highly interested in pursuing research on **Statistical Mechanics (Theory)**, are encouraged to apply for the Project-JRF position. Candidates are advised to thoroughly visit our homepage https://sites.google.com/site/drshyamalbiswas specially to know about the research activity of the group.

Essential Qualification: M.Sc. (Physics)/I.M.Sc.(Physics) with a minimum of 55% marks or equivalent CGPA. The minimum is 50% or equivalent CGPA for the SC/ST/OBC (non-creamy layer)/EWS/PH candidates. Success in NET/GATE/Equivalent National-Level Test.

Desirability: Preference will be given to the candidates who are likely to join or already joined the Ph.D. program of the School of Physics, University of Hyderabad, India. At least one international publication in the research areas of Statistical Mechanics (Theory) is highly desirable. Age limit: 28 years as on the date of the advertisement.

Fellowship: JRF @ Rs. 37,000/- p.m. Experienced candidates who have two years doctoral research experience can be considered for SRF @ Rs. 42,000/- p.m.

Last date of receiving applications: 07 August 2024

Interested candidates are advised to send their applications along-with CV (indicating contact address, phone no., e-mail, educational qualification, list of publications, list of at least two referees, *etc*) by email to Shyamal Biswas <sbsp@uohyd.ac.in>.

Date: 31 July 2024
Place: Hyderabad

Dr. Shyamal Biswas
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Principal Investigator of the Project]
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