



Indian Institute of Technology Jodhpur

Office of Research and Development

Advt. No.: IITJ/R&D/2021-22/30

21 September 2021

Project Recruitment

Applications are invited from the citizen of India for filling up the following temporary position in the Sponsored Research Project at this Institute. The position is purely temporary, initially for a period of 01 Year, and extendable but co-terminus with the duration of the project, on contractual basis with consolidated pay. The requisite qualification, experience and others details are given below:

1.	Project No.	S/DST/SB/20210001
2.	Project Title	Quantum heat engines
3.	Name of the Project Investigator	Dr. Subhasish Banerjee
4.	Duration for initial appointment	01 Year
5.	Name of the Post	Research Associate (RA)
6.	Post	01
7.	Consolidate Pay(Rs.)	Rs.47,000/-to Rs. 54,000/-
8.	Minimum Qualification and Experience	<u>Essential Qualification:</u> Ph. D. in Sciences. At the time of joining, PhD defense should be completed. <u>Desired Qualification:</u> Proficiency in Quantum Physics.
9.	Maximum Age	Below 50 Years
10.	Brief description of Project	Quantum correlations (more generally, non-classical Correlations) is well understood in some natural phenomena, Quantum Thermodynamics being one such area. When the medium of heat engines are quantum mechanical objects, the work and/or the efficiency of the engine may turn out to be characteristically different from their classical counterparts. One of the main goals of this project is to use the quantum open system approach to the action of the heat engine.
11.	Job Description	Investigations involving Quantum Thermodynamics and Quantum Heat Engines.

The candidates possessing the requisite qualification and experience should apply through the ONLINE process up to **05 October 2021**. The candidates are advised to send a soft copy of the application with all relevant documents to recruitment_rnd@iitj.ac.in (Please mention the advertisement number in the subject line of the email). No needs to send a hard copy.

General Instructions to Applicant(s)

1.	The post(s) is purely temporary and contractual for a period of 01 Year, and extension based on satisfactory performance, but co-terminus with the duration of the project
2.	Application which is incomplete, not in prescribed format, without photograph or unsigned will be summarily rejected.
3.	Certificate in support of experience should be in proper format i.e. it should be on the organizations letter head, bear the date of issue, specific period of work, name and designation of the issuing authority along with his signature.
4.	The Institute reserves the right to: (a) conduct written/trade tests for such posts wherever if the circumstances so warrant (b) not filling any of the advertised positions (c) fill consequential vacancies arising at the time of interview from available candidates. The number of positions is thus open to change.
5.	The Institute shall verify the antecedents or documents submitted by a candidate at the time of appointment or during the tenure of the service. In case, it is detected that the documents submitted by the candidates are fake or the candidate has a clandestine antecedents/background and has suppressed the said information, then his/her services shall be terminated.
6.	No TA/DA shall be paid to the candidates for attending the interview.
7.	No correspondence will be entertained from candidates regarding interview and reasons for not being called for interview.
8.	Canvassing in any form will be a disqualification.
9.	No interim correspondence will be entertained.
10.	No need to send hard copy.

Officer In-charge
Research & Development