



# Indian Institute of Technology Jodhpur

## Office of Research and Development

Advt. No.: IITJ/R&D/2019-20/45

30 January 2020

### Project Recruitment

Applications are invited from the citizen of India for filling up the following temporary position in the Institute 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/SERB/AKR/20180034  |
| 2. | Project Title                    | Multiparticle Entanglement, Nonlocality and Quantum Information processing- Analysing the role and applications of statistical correlations  |
| 3. | Name of the Project Investigator | Dr. Atul Kumar   |
| 4. | Duration of the Project          | 01 Year  |
| 5. | Name of the Post                 | Junior Research Fellow   |
| 6. | Post                             | 01   |
| 7. | Consolidate Pay                  | Rs.31,000/-+HRA  |
| 8. | Qualification and Experience     | <p><u>Eligibility:</u><br/>Post graduate degree in basic science or Graduate/Post Graduate degree in professional courses selected through a process described by any one of the following:<br/>a) Scholars who are selected through National Eligibility Tests-CSIR-UGC NET including lectureship (Assistant Professorship) and GATE.<br/>b) The selection process through National level examinations conducted by Central Government Department and their agencies and Institutions such as DST,DBT DAE,DOS,DRDO,MHRD,ICMR,IIT, IISc, IISER etc.</p> <p><u>Desirable :</u><br/>Experience of working with software's such as mathematica and Matlab or Good programming skills.</p> |
| 9. | Brief Description of Project     | In this project, we aim to characterize classical and quantum correlations in bipartite as well as multiqubit pure and mixed states, and establish its relation with entanglement, nonlocality and quantum communication protocols. The study will also involve analyzing quantum cryptography and key distribution protocols from the perspective of quantum correlations.  |

The candidates possessing the requisite qualification and experience should apply through **ONLINE** process up to **10 March 2020**. After the submission of the online application, applicant are required to take the printout of the application and send the application along with all self-attested relevant supporting documents by post to the Institute at the address given below:

Officer In-charge  
Office of Research & Development,  
Indian Institute of Technology Jodhpur,  
NH-65, Nagaur Road,  
Karwad,  
Jodhpur - 342037, Rajasthan

The envelope should be super scribed with “Advertisement No..... and Application for the Post of .....”

The application must reach the Institute on or before to **17 March 2020**. Application received after the due date shall not be considered.

### **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. | Postal delay will not be entertained.  |

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Research & Development