



# Indian Institute of Technology Jodhpur

## Office of Research and Development

Advt. No.: IITJ/R&D(Advt.)/2022-23/11

13 May 2022

### 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 06 Months 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/IHUBIITK/SKY/20210063   |
| 2. | Project Title                        | Development of Cognitive Cyber-Physical System(C2PS) testbed  |
| 3. | Name of the Project Investigator     | Dr. Sandeep Kumar Yadav   |
| 4. | Duration for initial appointment     | 06 Months   |
| 5. | Name of the Post                     | Junior Research Fellow  |
| 6. | Post                                 | 01  |
| 7. | Consolidate Pay(Rs.)                 | 31,000/- +HRA ( As per Institute norms)   |
| 8. | Minimum Qualification and Experience | <p><u>Eligibility:</u><br/>B.Tech/M.E. /M.Tech. with specialization in Electronics and Communication Engineering/Electrical Engineering or equivalent with first class or equivalent selected through NET/GATE.</p> <p><u>Desirable Qualification:</u></p> <ul style="list-style-type: none"><li>• Sound knowledge of fundamentals of Wireless communication, Radar Signal processing, and Machine Learning are desired.</li><li>• Proficiency in MATLAB/Python and prior hands on experience with related project is preferable.</li><li>• Knowledge of Lab-VIEW is desirable.</li></ul> |
| 9. | Maximum Age                          | 35 Years  |
| 10 | Brief description of Project         | To develop an Open Source Software (OSS) C2PS (i.e. scalable and modular testbed) that can support multiple applications such as spectrum, sensing, dynamic spectrum sharing and waveform design for emerging communication standards. It also supports reinforcement learning/AI algorithms for efficient utilization of spectrum, and security and resilience in Cyber-Physical systems.  |

The candidates possessing the requisite qualification and experience should apply through the ONLINE process up to **27 May 2022**. The candidates are advised to send a soft copy of the application with all relevant documents to [recruitment\\_rnd@iitj.ac.in](mailto: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)**

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| 1.  | The post(s) is purely temporary and contractual for a period of 06 Month, 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