



Indian Institute of Technology Jodhpur

Office of Research and Development

Advt. No.: IITJ/R&D(Advt.)/2024-25/007

08 April 2024

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 same extendable but co-terminus with the duration of the project, on a contractual basis with consolidated pay. The requisite qualification, experience and other details are given below:

1.	Project No.	S/TIH-TDP/DDS/20230134
2.	Project Title	PUF-Crypt: Fortifying Internet of Things (IoT) with Unclonable Security using Physical Unclonable Functions (PUFs)
3.	Name of the Project Investigator	Dr. Debasis Das
4.	Duration for initial appointment	10 Months
5.	Name of the Post	Junior Research Fellow
6.	Post	01
7.	Consolidate Pay	Rs. 37,000/-
8.	Minimum Qualification and Experience	<p><u>Eligibility:</u> Post Graduate Degree in Basic Science with NET or GATE Qualification OR Graduate Degree in Professional Course with NET or GATE Qualification OR Post Graduate Degree in Professional Course with NET OR GATE qualification.</p> <p><u>Desirable Qualification:</u> Post Graduate Degree in Basic Science with NET or GATE Qualification OR Graduate Degree in Professional Course with NET or GATE Qualification OR Post Graduate Degree in Professional Course with NET and GATE and 1 Year of Research Experience</p>
9.	Brief description of Project	The rapid rise of Internet of Things (IoT) devices is reshaping modern technology. By 2025, over 75 billion IoT devices are predicted to be interconnected, permeating various facets of our lives, from smart homes to healthcare, transportation, and industrial automation. This growth is fueled by their data collection capabilities, enabling automation and real-time decision-making. Yet, this

		expansion also brings heightened security risks due to limited resources in IoT devices and their integration into critical systems. To address these challenges, "PUF-Crypt," a pioneering lightweight security solution, is introduced. Leveraging Physical Unclonable Functions (PUFs) and lightweight cryptography, PUF-Crypt bolsters IoT security against unauthorized access and cyber threats. As IoT demand surges, it prioritizes data integrity and confidentiality, ensuring that IoT's potential for efficiency and convenience is realized securely.
10.	Job Description	Design and Implementation of Cryptographic IoT Systems(i.e., PUF-Crypt)
11.	Maximum Age	35 Years
12.	Age Bar	Age will be calculated on the closing date of the online submission of the application. Relaxation in age for the category candidates only would be admissible as per Central Government Rules. Also kindly enclose the Caste Certificate along with the application.

The candidates possessing the requisite qualification and experience should apply through the **ONLINE process** up to **22 April 2024**.

It is mandatory to send the 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). **Without documents, your application will not be considered.** There is no need to send the hard copy.

General Instructions to Applicant(s)

1.	The post(s) is purely temporary and contractual for a period of 10 Months 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.	Institute reserves the right to: a. Fix, modify or revise the eligibility conditions, age and selection criteria as per its requirements, at any time. b. Fill up the post, not to fill up the post or cancel the advertisement in whole or partly without assigning any reason. c. Place a reasonable limit on the total number of candidates to be called for the Written Test and/or Skill Test, Interview.
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.	Higher initial pay may be given to exceptionally qualified/ deserving candidate.
7.	No TA/DA shall be paid to the candidates for attending the interview.

8.	No correspondence will be entertained from candidates regarding interview and reasons for not being called for interview.
9.	Canvassing in any form will be a disqualification.
10.	No interim correspondence will be entertained.
11.	No need to send hard copy.

Officer In-charge
Research & Development