



# Indian Institute of Technology Jodhpur

## Office of Research and Development

Advt. No.: IITJ/R&D/2021-22/69

29 March 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/SERB/SUK/20190033
2.	Project Title	Predictive Maintenance and Quality Control in industries under Industry 4.0
3.	Name of the Project Investigator	Dr. Sumit Kalra
4.	Duration for initial appointment	06 Months
5.	Name of the Post	Senior Project Assistant
6.	Post	04
7.	Consolidate Pay	35,000/--50,000/-
8.	Minimum Qualification and Experience	<u>Eligibility:</u> B. Tech. in Computer Science or equivalent. <u>Desirable Qualification:</u> Hands-on experience on software development and IoT systems.
09.	Brief description of Project	The Industrial manufacturers are always under pressure to stay competitive by improving efficiency, reducing maintenance costs, optimizing processes and using analytics to make better business decisions. The aim of this work is to design and develop an affordable solution that can help small and medium industries to maintain and predict the health of their industrial infrastructure proactively using predictive maintenance. The overall key objectives are: 1. Collect real-time data from heterogeneous Industrial IoT (IIoT) sensors. 2. Design appropriate data infusion techniques to handle incompatible protocols and data 3. Real-time processing to ingest terabytes of unreliable, drifted sensor data to generate a reliable predictive analysis 4. Perform inference and data visualization to help the decision-making process using an interactive dashboard.

10.	Job Description	Anyone of the following: Android App Development/Web Development using fullstack development/Arduino or Raspberry Pi development
10.	Maximum Age	Below 45 Years

The candidates possessing the requisite qualification and experience should apply through the ONLINE process up to **12 April 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 need to send a hard copy.*

### General Instructions to Applicant(s)

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