



Indian Institute of Technology Jodhpur

Office of Research and Development

Advt. No.: IITJ/R&D/2020-21/15

14 September 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 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/BP/20190006
2.	Project Title	Development of lead free piezoelectric based Nano-generator: Modeling, Simulator and Experimental Realization
3.	Name of the Project Investigator	Dr. Barun Pratiher
4.	Duration for initial Appointment	06 Months
5.	Name of the Post	Junior Research Fellow
6.	Post	01
7.	Consolidate Pay	Rs.31,000/-
8.	Minimum Qualification and Experience	<u>Eligibility:</u> Post Graduate Degree in Mechanical Engineering with specialization in Engineering Mechanics/Applied Mechanics/Mechanical Design with first class with GATE qualified. <u>Desirable :</u> The Candidate should possess research experience in mechanics of deformable bodies, flexible structures, and micro-scale modelling.
9	Brief description of Project	There is ever increasing demand of low power enabled technologies including nearly all the domains such as health, electronics, and common everyday applications. These devices are supplemented with low power batteries, which need to be replaced on periodic basis. This can be avoided by utilizing alternative energy harvesting approaches and one such approach is mechanical energy harvesting, which is available without any hindrance. The project aims to address this challenge by utilizing the lead free piezoelectric materials based nanoenergy generators. There are very limited resources available in public domain and that makes things even challenging. The project will focus on design including modeling and simulation of the specific

	geometries of these nonoenergy generators, followed by the development of the proposed materials in different structural geometries, their intensive characterization, and realization of the simulated optimized nanogenerator device. The work will focus on harnessing the vibrational energies utilizing such device.
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The candidates possessing the requisite qualification and experience should apply through ONLINE process up to 28 September 2020. The candidates are advice to send soft copy of the application with all relevant documents to office_rnd@iitj.ac.in. *No need to send 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.	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.

Officer In-charge
Research & Development