



# National Institute of Technology Goa

Farmagudi, Ponda, Goa 403 401  
(An Institution of National Importance under MHRD, Govt. of India)

Advt. No: NITG/MECH/2023/OW/35

Dated: 02/02/2023

**Applications are invited from Indian citizens for a temporary post of Junior Research Fellow (JRF) for DST-SERB (SRG) sponsored project in the Department of Mechanical Engineering, NIT Goa.**

Applications are invited from the interested candidates for the post of JRF positions to work on the R&D project titled “**Wind Energy Harvesting from Vortex Induced Vibration of Multiple Cylinders using Novel Multiple Piezoelectric Strips Arrangement**”, sanctioned under *Start-up Research Grant (SRG) scheme by Science and Engineering Research Board (SERB), Dept. of Science and Technology (DST), Govt. of India.*

Title of the project	Wind Energy Harvesting from Vortex Induced Vibration of Multiple Cylinders using Novel Multiple Piezoelectric Strips Arrangement
Funding Agency	Science & Engineering Research Board, Department of Science & Technology, Government of India
Project sanction number	SRG/2021/000778
No. of posts	01 (One)
Duration of the project	24 months (21 Jan 2022 to 20 Jan 2024)
Principal Investigator (PI)	<b>Dr. Prasenjit Dey</b>

**General Information and Terms & Conditions**

1.	Age Limit	30 Years
2.	Essential Qualification	M.Tech./M.E. and B.Tech/B.E. in Mechanical Engineering or related branches of Mechanical Engineering with NET/GATE and at least 6.5 CGPA or 60 percent marks in aggregate from a recognized technical institute or university in a full-time program.
3.	Desirable Qualification	Master Degree in Thermal/Manufacturing/Mechatronics with relevant research experience in the field of renewable energy. A strong knowledge in the following areas; <ul style="list-style-type: none"><li>➤ Any CFD tool e.g. ANSYS Fluent, OpenFOAM etc. for numerical analysis.</li><li>➤ Knowledge of relevant tools such as LabVIEW, ARDUINO Code, MATLAB, PCB Fabrication etc. will be highly encouraged.</li></ul>



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		<ul style="list-style-type: none"><li>➤ Handling of Data Acquisition System (DAQ)</li><li>➤ Basic knowledge on electrical and electronics circuit and components</li></ul>
4.	Salary/Emoluments	Rs. 31,000/- per month <i>+ Other allowances as per Institute norms</i>
5.	Duration of the position	The position will be offered initially for a period of one year and the same may be extended up to two years subject to satisfactory performance or till end of the project, whichever is earlier.
6.	Relaxation on qualification and age	SC/ST/OBC/EWS/WOMEN/PWD candidates will get relaxation as per Government of India Rules and Regulations.
7.	Last date of receiving/ submission of filled up application form	<b>17.02.2023</b>
8.	Reporting	Applicants are requested to submit the signed scanned copy of their filled-up application form along with C.V and all other relevant documents to the P.I. through email at <a href="mailto:prasenjit.dev@nitgoa.ac.in">prasenjit.dev@nitgoa.ac.in</a> with subject line “ <b>Application for the post of JRF under SRB-DST project</b> ”. <i>Call letter for shortlisted candidates will be sent through email.</i>
9.	Date of interview, time, and venue	In view of the pandemic scenario and Govt. regulations, interview may be conducted through online mode, which will be notified in due course of time to shortlisted candidates.
10.	No objection certificate	Employed candidates are to submit no objection certificate from his/her employer at the time of interview.
11.	Institute right	The Institute has the discretion to restrict the number of candidates to be called for the interview on the basis of screening. No candidate may be recruited if suitable candidates are not found.



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## **Important Instructions:**

1. Candidate possessing the requisite qualification and experience should apply; in the attached format along with their updated CV latest by **17 Feb 2023**. The applicant will be responsible for the authenticity of information, other documents and photographs submitted.
2. Mere, possessing the prescribed qualification does not ensure that the candidate would be called for Interview. The Candidates will be shortlisted on the basis of merit and need of the project.
3. Applicants in employment (private, government or any other organization) are required to submit a “No Objection Certificate” from the employer at the time of interview.
4. Application form (as given below) giving all the details along with self-attested copies of certificates, supporting documents and experience should reach to Dr. PRASENJIT DEY (PI) at below given address latest by **17 Feb 2023** in Hardcopy **or** the duly filled and signed scan copy of Application Form along with the scanned copies of mark sheets/documents can be sent to Dr. PRASENJIT DEY (PI), through e-mail at: [prasenjit.dey@nitgoa.ac.in](mailto:prasenjit.dey@nitgoa.ac.in) with subject line “**Application for the post of JRF under SERB-DST project**” on or before **17 Feb 2023**.
5. The Shortlisted Candidates will be informed by e-mail (apart from NIT Goa website "[www.nitgoa.ac.in](http://www.nitgoa.ac.in)") along with the date and time of the written test/interview. No other letter will be sent to the correspondence address.
6. Shortlisted candidates have to present themselves for the written test and/or interview with the updated CV, application form, original and attested photocopies of mark sheets/certificates in support of their academic qualifications. The written test and/or interview may be conducted online which will be subjected to the prevailing condition of Covid-19 pandemic.
7. No TA/DA shall be paid to candidates for attending the Interview and/or joining the position.
8. The appointment is for a time bound project and the candidate is required to work dedicatedly for the successful completion of the project. Selected candidate has to join immediately.
9. Incomplete application forms and forms received after due date will be summarily rejected.
10. All the Terms and Conditions for this recruitment will be as per guidelines of SERB, DST, Govt. of India.

## **ADDRESS FOR CORRESPONDENCE**

**Dr. Prasenjit Dey**

**Assistant Professor**

**Department of Mechanical Engineering,**

**National Institute of Technology Goa, Farmagudi, Ponda, Goa - 403401**

**Phone: +91 9089288299**

**E Mail: [prasenjit.dey@nitgoa.ac.in](mailto:prasenjit.dey@nitgoa.ac.in), Website: <http://www.nitgoa.ac.in/>**



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## Application for the Position of JRF (Junior Research Fellow) under SERB, DST, GOI

**Title of Project: Wind Energy Harvesting from Vortex Induced Vibration of Multiple Cylinders using Novel Multiple Piezoelectric Strips Arrangement**

1. Advertisement No.:

2. Name of the Candidate (BLOCKLETTER): \_\_\_\_\_

3. Father's Name (BLOCKLETTER): \_\_\_\_\_

4. Mother's Name (BLOCKLETTER): \_\_\_\_\_

5. (a) Date of Birth: (DD/MM/YYYY) \_\_\_\_\_

(b) Sex (Male/Female/Other): \_\_\_\_\_

(c) Marital Status (Married/Single): \_\_\_\_\_

(d) Category (SC/ST/OBC/PWD/GEN): \_\_\_\_\_

6. Previous Research experience: (use additional sheet if required) \_\_\_\_\_

7. Publication(s), if any: (use additional sheet if required) \_\_\_\_\_

8. GATE/ NET: Score: \_\_\_\_\_ Rank: \_\_\_\_\_ Specialization: \_\_\_\_\_ Year: \_\_\_\_\_

9. Academic Qualification: (Starting from Standard 10 or equivalent Examination)

Name of Exam Passed	Name of the School/College/Institute/ University	Year of Passing	Discipline/ Specialization	Percentage of Marks/ CGPA

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10. (a) Address for Communication: (BLOCKLETTER)

(b) Contact No. (Mobile)

(c) E-mail ID :

11. Contact Details of two referees:

	Referee I	Referee II
Name :		
Designation :		
Organization:		
Office Address :		
Office Phone Number:		
Email ID:		

12. Areas of Expertise:

13. Experience details:

I do here by declare that the information furnished in this application is true to the best of my knowledge and belief. If selected, I promise to abide by the rules and regulations of the Institute.

Date:

Place:

Signature of the candidate