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वैमानिकी आर एंड डी बोर्ड  
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भारत सरकार, रक्षा मंत्रालय

Ref. No. BMS/ARDB-4522/2024/01

Date: 01-07-2024

### Advertisement for Junior Research Fellow (JRF)

Applications are invited for the position of Junior Research Fellow (JRF) in a research and development project (Under grants-in-aid scheme of Aeronautics R&D Board) for a duration of **3 years** (2024-2027) with the following details:

#### **Project Title:**

**TECHNOLOGY DEMONSTRATION OF INTERSHAFT SQUEEZE FILM DAMPER  
(ISSFD) FOR TWO SPOOL GAS TURBINE APPLICATION**

Candidates with experience or knowledge in the following domains can apply:

1. Knowledge of subjects viz. Strength of Materials, Design of M/c elements, Mechanical Vibrations and Rotor Dynamics
2. Basic knowledge on Solid Modelling & Analytical software
3. Basic knowledge on Data acquisition & Signal processing is preferable.

**Job description: The research staff is required:**

1. To be part of Design & development of Two-spool Test setup and will be working at B.M.S. College of Engineering Campus, Bengaluru-19.
2. To work on the project assigned and will be reporting to principal and co-principal investigators.
3. To carry out testing and field studies and preparation of reports.
4. To be part of research team in completion of project leading to Product development.
5. To be part of research team in taking care of publication, patenting and technical documentation of the project.

**Job position:**

Name of the position	No. of vacancies	Minimum Qualification
Junior Research Fellow (JRF)	01	Degree in B.E. BE – Mechanical Engineering/Aerospace Engineering & M.Tech / M.E in Machine Design/Maintenance Engineering/ Aerospace Engineering

**Terms and Conditions for JRF are as follows:**

**Age Limit:** Not more than 35 years.

**Salary:** As per DRDO norms (Rs. 37,000 pm +HRA for first Two years and SRF @ Rs.42,000+HRA for Third year)

**Essential Qualifications:** M.Tech./M.E. in Machine Design/Maintenance Engineering/Aerospace Engineering/Any other relevant stream with a minimum of 60% aggregate score (6.5/10 CGPA). Proof of M. Tech/ M.E certificate has to be provided during the interview.

**Duration:** **Maximum of 03 years** or up to the termination of the project, subject to annual performance review. The candidate is encouraged to apply for Ph.D. at BMSCE.

**How to apply:** Interested candidates must apply by filling out the attached application form along with the following documents.

- (1) Cover letter
- (2) Bio-data with passport-sized photograph
- (3) Scanned copies of educational certificates and mark sheets (class-X onwards) and
- (4) Scanned copies of Proof of research experience & special achievements and publications (if any).

The soft copies of the application form and required documents (pdf format) must be **emailed to [shivaprasad.mech@bmsce.ac.in](mailto:shivaprasad.mech@bmsce.ac.in) by 10<sup>th</sup> July 2024**. Only shortlisted candidates will be intimated by email and called for an interview. The position is available immediately. The appointment will be on a purely temporary basis co-terminus with the project.