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**National Institute of Technology-Kurukshetra**  
**Kurukshetra-136119, Haryana**

Advt. No. 15/2019

**Recruitment of Junior Research Fellow (JRF)**

Applications in the prescribed format are invited from Indian Nationals for the post of one **Junior Research Fellow (JRF)** to work in the research project titled “**Design, Fabrication and Testing of Active Magnetic Bearing for Centrifugal Pumps with VFD**” funded by Indian Navy under supervision of Dr. Bhanu Pratap, (Assistant Professor, EED) as the principle investigator and Dr. Punit Kumar (Professor, MED) and Dr. Pankaj Chandana (Professor, MED) as Co-Investigators. Interested candidates may visit the institute website [www.nitkr.ac.in](http://www.nitkr.ac.in) for details, eligibility criteria and application form. The eligible candidates may apply with self attested copies of all testimonials to Dr. Bhanu Pratap, Assistant Professor, EED, NIT Kurukshetra-136119, Haryana by post and email both. The last date of submission of application is **01/07/2019**.

SD/-  
Registrar I/c



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**National Institute of Technology-Kurukshetra**  
**Kurukshetra-136119, Haryana**

Advt. No. 15/ 2019

**Recruitment of Junior Research Fellow (JRF)**

Applications in the prescribed format are invited from Indian Nationals for the post of Junior Research Fellow for the research project under the Principal Investigator Dr. Bhanu Pratap, Assistant Professor, Department of Electrical Engineering and Co- Investigators Dr. Punit Kumar, Professor, Mechanical Engineering Department and Dr. Pankaj Chandna, Professor, Mechanical Engineering Department as per the details given below.

**Title of the Project** : Design, Fabrication and Testing of Active Magnetic Bearing for Centrifugal Pumps with VFD

**Sponsor of the Project** : Indian Navy

**Project position and number** : Junior Research Fellow (JRF) 01 No.

**Essential Qualifications** : M.E./M.Tech. in Mechanical/ Electrical/ Electronics Engineering or equivalent (with knowledge of Control Systems, Sensors, Data Acquisition, Optimization etc.) with at least 65% marks or at least 6.5/10 Cumulative Performance Index (CPI) or Cumulative Grade Point Average (CGPA). Candidate should have undergraduate degree with first division in Mechanical/ Electrical/ Electronics Engineering or equivalent.

• **Desirable Qualifications** : Research experience in similar field.

• **Emoluments** : \* Rs. 25000/- (Consolidated) per month

\* Rs. 28000/- (Consolidated), "Only in case the project duration extended"

HRA may be paid only in case of non availability of institute accommodation and availability of funds

• **Duration** : 02 Years (May be extended up to maximum one year)

• **Job description** : The Junior Research Fellow is required to assist in carrying out various activities under the project to complete the objectives and deliverables in time as per schedule

\* **May be revised as per the MHRD letter no. SR/S9/Z-08/2018, dated 30/01/2019 subject to approval by the competent authority**

\*\* **Initially the appointment will be for one year from the date of joining which will be reviewed thereafter and, if found satisfactory, extended further for the duration of the project.**

**Terms and Conditions:**

The position is purely on contract and will be governed by the Administrative rules conditions of Research & Consultancy Cell, NIT Kurukshetra.

1. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
2. Interested candidate should send their filled application including photograph and signed scan copy of educational qualifications, research publications and a **statement of interest** on and before **1<sup>st</sup> July, 2019**. The envelope should be superscripted as "**Application of JRF for Indian Navy Project: DFT-AMB-CP-VFD**" and send to the **Dr. Bhanu Pratap, Electrical Engineering Department, NIT**

**Kurukshetra-136119, Haryana.** A soft copy of the application should also be sent to the following email addresses: bhanumnit@gmail.com; punkum2002@yahoo.co.in; pchandna08@gmail.com

3. The upper age limit for JRF shall be 35 years.
4. Candidate with work/ project development experience in atleast two areas including Control Systems, Rotor dynamics, Hydraulic Machinery, Power Electronics, Vibration Analysis & Measurements, Data Acquisition, Optimization Techniques and Electromagnetism etc. would be preferred.
5. Candidate should have good programming skill (like MATLAB, C++, CAE, ANSYS, CATIA softwares).
6. The selected candidate have to register for Ph.D. at NIT Kurukshetra within first year of project duration.
7. **No TA/DA is permissible for appearing in the interview and joining in case of selection.**
8. **The written test/interview schedule will be notified to the shortlisted candidates by email soon after the last date of application.**
9. **Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.**
10. Appointment will be contractual in nature and as per the Institute terms and conditions for similar cases.
11. Only short-listed candidates will be communicated to appear in the interview and no other communications in this regard will be entertained.
12. Candidates will be informed by e-mail about the interview date. So, candidate must provide valid e-mail IDs in their Applications.
13. The position is temporary and renewable each year subject to satisfactory performance.
14. The applicant will be responsible for the authenticity of information, other documents and photographs submitted.
15. **The Institute reserves the right to cancel the recruitment without assigning any reason.**

SD/-  
Registrar I/c



16. Details of Professional training obtained, if any, during the period of service:

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17. Details of experience – starting with the present post/retired from (separate sheet may be Attached, if required)

| Post Held  | Name of Organization | Period |    | Pay Band + Grade Pay | Length of Service in years | Nature of duties Performed |
|--|----------------------|--------|----|----------------------|----------------------------|----------------------------|
|  |                      | From   | To |                      |                            |                            |
|  |                      |        |    |                      |                            |                            |
|  |                      |        |    |                      |                            |                            |
|  |                      |        |    |                      |                            |                            |
|  |                      |        |    |                      |                            |                            |
|  |                      |        |    |                      |                            |                            |
|  |                      |        |    |                      |                            |                            |
| Total length of experience in years :                  |                      |        |    |                      |                            |                            |
| Knowledge of Computer :                                |                      |        |    |                      |                            |                            |
| If selected, what notice period required for joining : |                      |        |    |                      |                            |                            |

18. Any other information:

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**DECLARATION**

It is certified that the information provided as above, is true & complete in all respect and to the best of my knowledge & belief. If anything is found wrong / incorrect, my application will be treated as cancelled and withdrawn.

(Signature of the Applicant)

Date: .....  
Place: .....

Name: .....  
Address: .....