

HOMI BHABHA NATIONAL INSTITUTE

2nd Floor, Training School
Anushaktinagar, Mumbai- 400094
website:www.hbni.ac.in
Phone Nos.:022-25597626

Advertisement No. 01/2024 Application for Admission to Ph.D. program

Applications are invited from Indian citizens for admission to regular Ph.D. program of Homi Bhabha National Institute (HBNI) with specializations in Physical and Engineering Sciences.

Homi Bhabha National Institute was established in 2005 as an institution deemed to be University u/s 3 of the UGC Act 1956, MHRD, Government of India and a grant-in-aid institute of the Department of Atomic Energy. HBNI was set up to meet human resource requirements of nuclear science, engineering and technology for wider applications to society at large.

HBNI offers a range of academic programmes in Chemical Sciences, Engineering Sciences, Life Sciences, Medical and Health Sciences, Physical Sciences, Humanities and Social Sciences and Applied System Analysis.

HBNI is inviting online applications for TWO JRFs (2 nos.) in the specialized areas given below for working under the supervision of faculty at HBNI central office, Mumbai. Research fellows will have access to the research infrastructure facilities available in all CIs/ OCC of HBNI with due permissions.

1. Eligibility

Program	Discipline	Minimum Educational Qualifications
Ph.D.	Physical Sciences	60% or equivalent CGPA in Masters/ Integrated Masters/ 75% or equivalent CGPA in 4yrs. BS program in Physics.
	Engineering Sciences	ME/ MTech with 60% or equivalent CGPA in Mechanical/ Chemical/ Nuclear Engineering.

2. Requirement of qualifying in National Level Examination(s) for pursuing Ph.D. program in HBNI

(a) The desirous candidates applying for the Ph.D. programmes should have qualified at least one of the National Level Examinations viz. CSIR-UGC-NET (JRF), GATE, JEST, AICTE and similar examinations conducted by the Govt. Of India institutions. The GATE score card should be valid as on 31st Mar. 2024.

(b) It is expected that, candidates shall be proficient in English writing and communication.

3. Fellowship

The fellowship given by HBNI will be as per DAE guidelines. The duly selected and admitted Ph.D. students will be eligible to get fellowship of Rs. 37,000/- per month for first Two (2) years. The fellowship will be enhanced to Rs. 42,000/- per month for remaining Three (3)

years, subject to the condition that he/she fulfils all the requirements of the Institute that will be stipulated from time to time.

All JRF/SRF will be eligible for annual contingency including book allowance of Rs. 40,000/- per year and follow the DAE guidelines for utilization for the grant.

In addition, the fellowship, HRA is permissible at the rates of the fellowship guidelines of DAE. HRA is not admissible if HBNI provides accommodation.

4. Research Areas

Ph.D. program

(a) Physical Sciences: Theoretical High Energy Nuclear Physics exploring QGP and QCD.

(b) Engineering Sciences: Computational fluid dynamics, thermal hydraulics and safety, energy systems, multi-phase flow.

5. Selection Procedure

- The selection committee will short-list the candidates from amongst those who meet the minimum educational qualifications and satisfy additional criteria which may set as deemed necessary.
- The short-listed candidates will be scheduled for an interview for the admission.
- Based on the performance of the candidates in the selection process, the selection committee will recommend candidates for admission to the Ph.D. program.

6. How to Apply

The application form has to be filled up online at http://anavidhya.in/onln_app/ENRL_RF/index.php and candidates should follow stepwise instructions mentioned to complete the online application submission process.

7. Important dates

- The starting date for filling Online application 8th Mar. 2024
(available at http://anavidhya.in/onln_app/ENRL_RF/index.php)
- The last date for filling Online application 31st Mar. 2024
- Tentative dates for test/interview will be in the 2nd week of April 2024.

8. Address for all communications

The Registrar
Homi Bhabha National Institute,
2nd Floor, Training School Complex,
Anushaktinagar,
Mumbai-400-094

For any queries regarding application, please send e-mail to helpdesk@hbni.ac.in

9. Checklist for application submission

- A passport size photo (in JPEG format, less than 1 MB size)
- Birth Certificate/10th pass certificate in support of date of birth
- Certificate and Marksheets in support of qualifying examinations
- In case the original pass certificate is not issued by the University then a certificate from the University on its letterhead with seal of the concerned authority certifying the completion of degree should be submitted.
- Certificate/ document in support of qualifying the national level examination as applicable.

10. General Information and broad guidelines

- The candidates/ respondents are informed that the advertisement is for fellowship for pursuing a Ph.D. programme only. This shall not be considered/ taken as appointment to any position in any organization. This fellowship will terminate automatically without any notice or compensation as laid in the regulations.
- The selected person shall have no claim of appointment / absorption in HBNI.
- The qualification prescribed should have been obtained from recognized Universities/ Institutions.
- The prescribed educational qualifications are the bare minimum and mere possession of same does not entitle candidates to be called for interview. Where number of applications received in response to the advertisement is large, it may not be convenient or possible to interview all the candidates. Based on the recommendations of Screening Committee, the number of candidates to be called for the interview may be restricted to a reasonable limit after taking into consideration the marks obtained in the final degree and national test. Therefore, it will be in interest of the candidates, to mention marks obtained in national level test.
- Selected candidates will have to join HBNI immediately on receipt of the offer.
- No interim enquiries/correspondence/communication of any sort will be entertained on the matter.
- Canvassing in any form and /or bringing any influence, political, or otherwise, will be treated as a disqualification for the post applied for.
- Interviews may be held in online or physical mode, as will be decided by HBNI.