

Research Promotion Policy of HBNI

(Approved by CoM in its 28th meeting held on 16 Aug 2019)



HOMI BHABHA NATIONAL INSTITUTE

*(A Deemed to be University u/s 3 of UGC Act, MHRD & an Aided Institution of the
DAE, Govt. of India)*

2nd Floor, Training School
Anushaktinagar, Mumbai – 400094

Website: www.hbni.ac.in

Homi Bhabha National Institute

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I. Preamble:

Homi Bhabha National Institute is a research university, and the major component of the academic programs of HBNI is research based. HBNI also has several programs oriented towards promoting skills and enhancing competence in specialized areas. This document outlines the research promotion policy of HBNI.

II. Vision of HBNI:

1. To encourage pursuit of excellence in sciences, (including engineering sciences) and mathematics in a manner that has major significance for the progress of indigenous nuclear technological capability
2. To provide an academic framework for integrating basic research being done at the grant-in-aid institutions and the research centres of DAE with technology development at the research centres.
3. To nurture an environment of attracting high quality man power in sciences, including engineering sciences, to take up career in nuclear science and technology and related areas.

III. Multidisciplinary and cross-disciplinary research:

HBNI encourages multidisciplinary and cross-disciplinary research programs to be pursued by the students for the PhD degree. Ph.D programs can be co-guided by a faculty with engineering specialization and a faculty with science specialization. Ph.D programs can also be co-guided by faculty in different branches of science (eg. Maths and Biology) or engineering (eg. Civil and Mechanical). In various promotional activities such as assistance for participation in conferences, or awards, multidisciplinary strengths will be given due weightage.

IV. Academic Freedom

HBNI ordinances are so designed as to provide freedom to the students in the choice of courses and research programs with due approval processes; the students will have the freedom of access to research facilities in all the CIs/OCC, to have co-guide from other CIs/OCC or eminent institutions; the researchers can collaborate with other students and faculty across the CIs/OCC.

V. Publications and Patents:

Faculty and students are encouraged to publish the results of their research work in peer reviewed international journals that are known for their ethical and academic standards. Faculty as well as students are encouraged to present papers in international conferences based on the research work carried out by them. Research fellows are given financial assistance for traveling abroad to participate in good international conferences. Researchers and faculty are encouraged to file for patents, whenever the pursuit of research has led to development of commercial value.

VI. Ethics in Research:

HBNI places high emphasis on ethics in research. All CIs/OCC have evolved policy on ethics and have articulated the policy to the researchers. Plagiarism is taken very seriously and any instance of plagiarism will be dealt with severely. UGC guidelines on promotion of academic integrity are strictly enforced.

VII. Other steps for promotion of research:

HBNI will pursue all avenues to promote high quality research work. Towards encouraging dissemination of knowledge and information, and for promoting healthy and in-depth discussions on various subjects, HBNI will organize technical lectures and colloquia on regular basis, and will also encourage all its CIs/OCC to take similar steps. The aim of HBNI will be to not only create knowledge and expertise of high quality, but also nurture and grow a culture of rigour and commitment to excellence that would generate research leadership for the future.

VIII. Recognition of excellence in research:

HBNI and its CIs/OCC will devise and execute schemes for recognizing excellence in research work through various types of award schemes.

IX. Employment Generation

Research programs in HBNI, in addition to meeting the academic requirements, also focus on employment generation, and benefits to the society at large. Students are trained to have a variety of experimental and theoretical skills, abilities to set up facilities and an outlook that focuses on benefiting the society at large, that can aid in their subsequent career.

X. Establishing Research Chairs:

HBNI will establish various chair professorships to enable eminent seniors researchers, serving or retired, to interact, inspire, educate and guide research students in consonance with the ordinances.

XI. Review of Research Promotion Policy:

HBNI will periodically obtain structured feedback from its students, faculty and management regarding the research opportunities, adequacy of research infrastructure, research ambience and other such aspects related to promotion of excellence in research. The feedback will be analysed and actions necessary to continuously improve and enrich the courses, research programs, facilities and processes will be taken through structured deliberations in various fora such as Academic Council and with approval of the Council of Management.