



STUDENT PROSPECTUS 2025

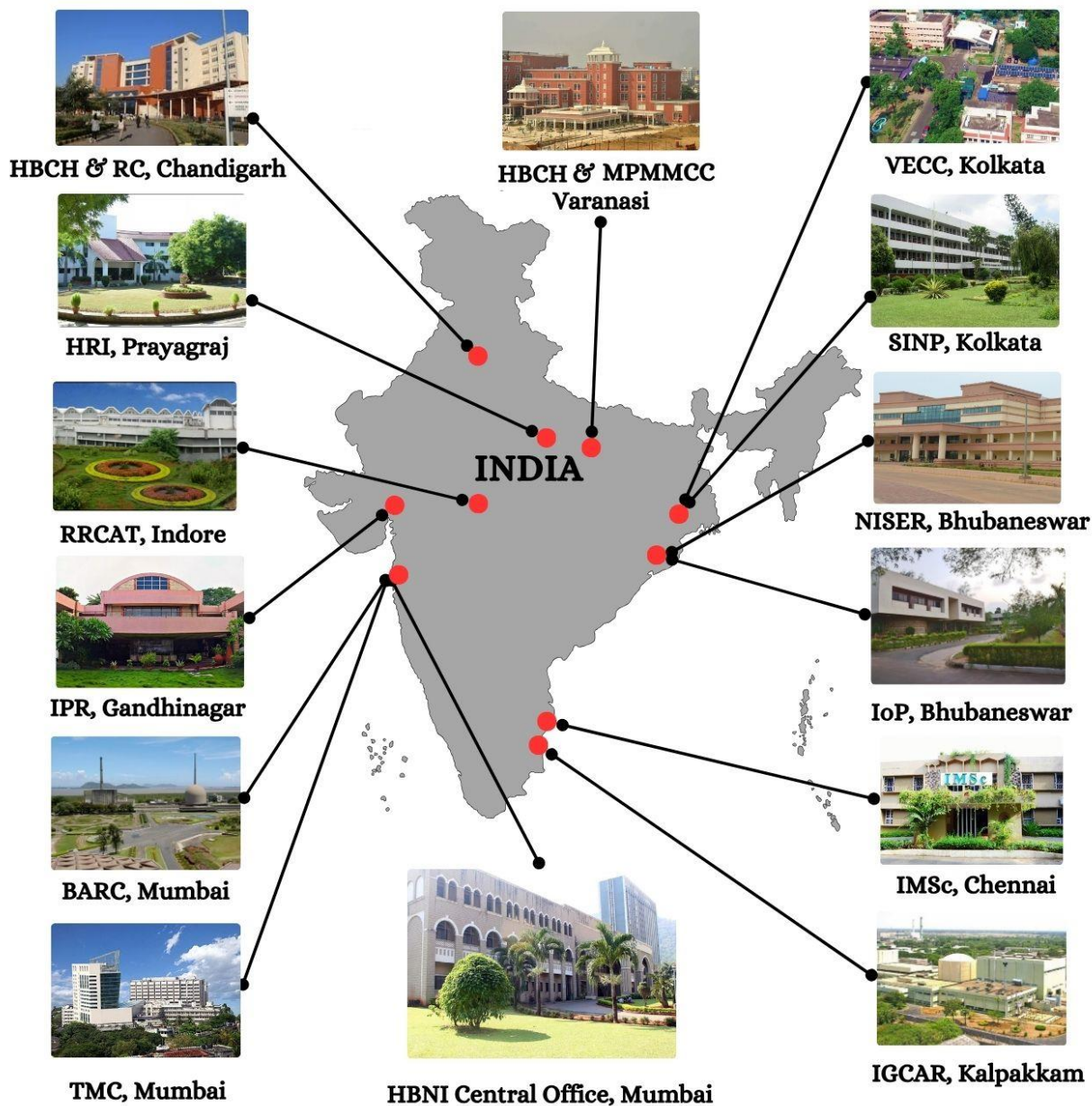


होमी भाभा राष्ट्रीय संस्थान HOMI BHABHA NATIONAL INSTITUTE

(यूजीसी अधिनियम 1956 की धारा 3 के तहत एक मानद विश्वविद्यालय
एवं परमाणु ऊर्जा विभाग की एक सहायता प्राप्त संस्था)

(A Deemed to be University u/s 3 of UGC Act 1956 and a Grant-in-Aid
Institute of the Department of Atomic Energy, Govt. of India)

Location of HBNI Central Office, Constituent Institutions & Off Campus Centres



7th Rank in Research
12th Rank in University
20th Rank in Overall



A⁺ Grade
3.4 Score



2025
1st in Physical Sciences
3rd in All Publications



STUDENT PROSPECTUS
2025

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ABOUT HOMI BHABHA NATIONAL INSTITUTE (HBNI)

HBNI was established in 2005 as a Deemed to be University under section 3 of the University Grants Commission (UGC) Act 1956 and was recognized as a Grant-in-Aid Institution of the Department of Atomic Energy in 2014.

HBNI brings together premier DAE institutions established as Research and Development Centres and Grant-in-Aid autonomous centres as Constituent Institutions under single research driven framework. National Institute for Science Education and Research (NISER), Bhubaneswar, Homi Bhabha Cancer & Hospital Mahamana Pandit Madan Mohan Malaviya Cancer Centre (HBCH & MPMCC), Varanasi and Homi Bhabha Cancer Hospital & Research Centre (HBCH & RC), New Chandigarh, Punjab are Off-Campus Centres (OCCs) of HBNI. The complete list of CIs and OCCs of HBNI is as under:

1. Bhabha Atomic Research Centre (BARC), Mumbai (www.barc.gov.in)
2. Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam (www.igcar.gov.in)
3. Raja Ramanna Centre for Advanced Technology (RRCAT), Indore (www.rrcat.gov.in)
4. Variable Energy Cyclotron Centre (VECC), Kolkata (www.vecc.gov.in)
5. Saha Institute of Nuclear Physics (SINP), Kolkata (www.saha.ac.in)
6. Institute for Plasma Research (IPR), Gandhinagar (www.ipr.res.in)
7. Institute of Physics (IoP), Bhubaneswar (www.iopb.res.in)
8. Harish-Chandra Research Institute (HRI), Allahabad (www.hri.res.in)
9. Tata Memorial Centre (TMC), Mumbai (www.tmc.gov.in)
10. The Institute of Mathematical Science (IMSc), Chennai (www.imsc.res.in)
11. National Institute for Science Education and Research (NISER), Bhubaneswar (www.niser.ac.in)
12. Homi Bhabha Cancer & Hospital Mahamana Pandit Madan Mohan Malaviya Cancer Centre (HBCH & MPMCC), Varanasi (www.mpmcc.tmc.gov.in)
13. Homi Bhabha Cancer Hospital & Research Centre (HBCH & RC), New Chandigarh, Punjab (www.tmc.gov.in/hbchrc)

The role of HBNI is to nurture in-depth capabilities in nuclear science and engineering and to serve as a catalyst to accelerate the pace of basic research and

facilitate its translation into technology development and applications through its various academic programs.

Since its inception in the year 2005 as a deemed to be university, HBNI has steadily grown in terms of its academic programmes, the number of students and faculty, infrastructure and last but not the least the academic vigour. The academic programmes of the HBNI are leading to human resource development not only in core areas of nuclear science and engineering but also in several other areas of societal importance such as medical and health sciences.

HBNI obtained **7th rank** in the Research Category, **12th rank** in the University Category and **20th rank** in the Overall Category in National Institute Ranking Framework (NIRF) exercise conducted by Ministry of Education (MoE) in 2025. NIRF ranks universities on the following parameters: (i) Teaching-Learning and Resources, (ii) Research Productivity, (iii) Graduation Outcome, (iv) Outreach and Inclusivity and (v) Perception.

Till March 2025, HBNI has awarded 2848 Ph.D., 1690 M. Tech., 822 M.D., 259 M.Ch., 221 D.M., 1032 Int. M.Sc., 606 Skill Based Diploma Programs, 274 Skill Based PG Programs, 126 M.Sc. (Engg.), 259 M.Sc., 875 PGD, etc. degrees. The number of publications in reputed journals by HBNI faculty and students has been registering a healthy increase year after year. The total number of journal publications with HBNI affiliation during the calendar year 2024, as indexed by Scopus, was 2711. Based on high-quality publications in Nature Group of Journals, the Nature Index 2024-25 placed HBNI in the **third position** among all institutions in India, and in the **first position** regarding publications in physical sciences. During 2024-25, many HBNI faculty members across all its CIs/OCCs received prestigious national and international awards for their scientific contributions and were recognized as Fellows of national and international academies. The notable award is the Vigyan Shri Puraskar conferred upon Prof. A. K. Tyagi, Dean, HBNI. Many HBNI students received awards for their research work presented at several national and international conferences and thirty-four students attended international conferences with HBNI financial support.

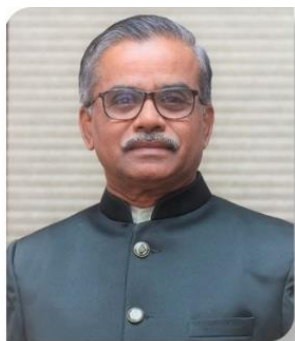
BEACONS THAT GUIDE



Prof. A.K. Mohanty
Chairman, CoM, HBNI,
Secretary, DAE &
Chairman, AEC



Dr. Anil Kakodkar
Chancellor, HBNI



Prof. U. Kamachi Mudali
Vice Chancellor, HBNI



Prof. A. K. Tyagi
Dean, HBNI

MISSION

The Mission of HBNI is to encourage the 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.

VISION

The Vision of HBNI is articulated below:

- To provide an academic framework for integrating basic research with technology development.
- To encourage inter-disciplinary research.
- To nurture an environment for attracting high-quality manpower in the sciences including engineering sciences to take up a career in nuclear science and technology and related areas.

Guided by the vision, mission and objectives, the value proposition of the institute is to

- Always adhere to the highest ethical standards and put good of students first
- Value excellence in research and foster innovation and creativity
- Recognize importance of science for the development of the society

HBNI: A UNIQUE RESEARCH UNIVERSITY

HBNI is a unique research institute in many ways as listed below:

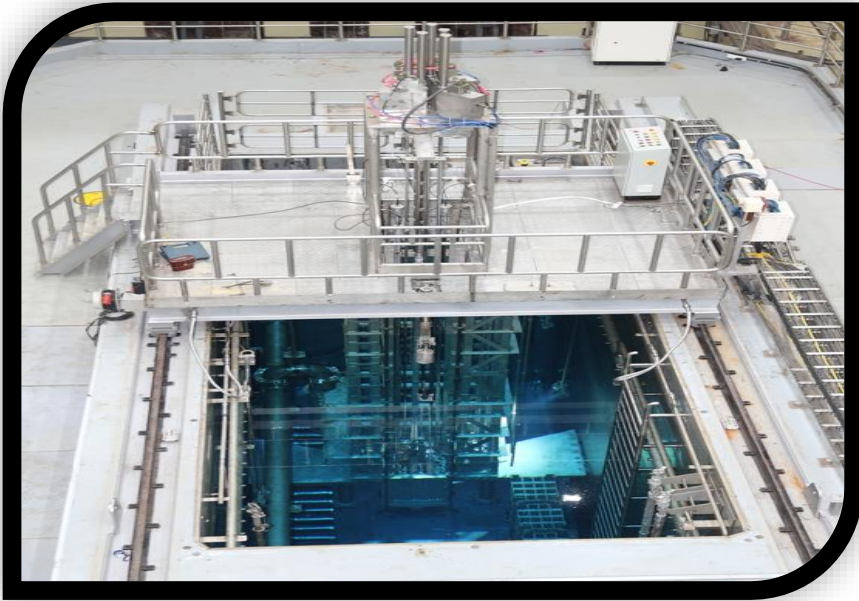
- Availability of a wide range of academic programmes in varied disciplines aiming at broadening scientific knowledge as well as skill development.
- Only institute in the country offering research opportunities in the field of nuclear science and engineering, giving a unique opportunity to students to participate and contribute in nuclear energy program of the nation.
- Offers opportunity to do innovative research in unique areas that cannot be attempted in most other institutes in the country (e.g., molten salt chemistry,

applications of radiation technologies in the fields of agriculture, medicine, industry, high-temperature thermodynamics, irradiated material properties, etc.) using the world-class infrastructure available at its CIs and OCCs.

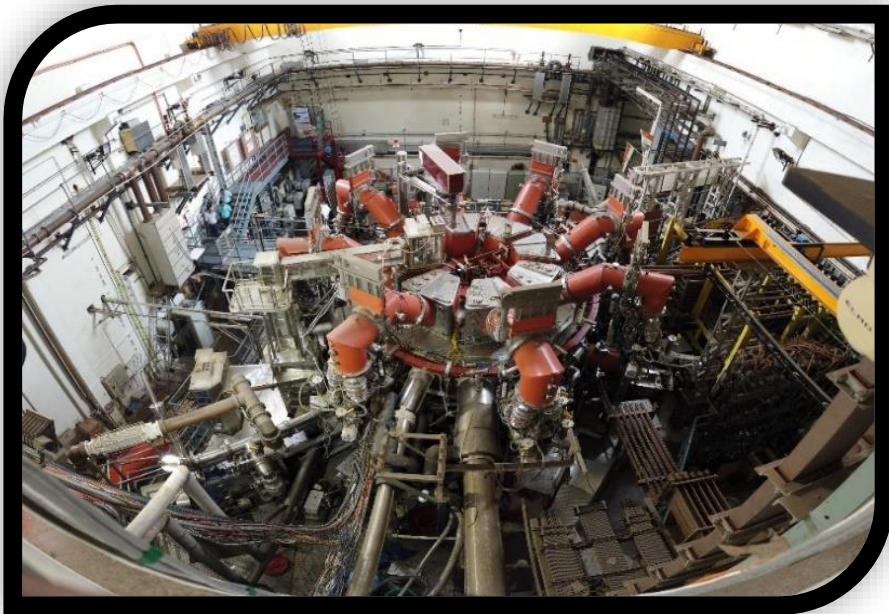
- Feasibility to do research in frontier areas of all branches of science and engineering as well as interdisciplinary research with national/international collaboration.
- HBNI conducts unique specialty and super-specialty courses in Oncology and related fields at Master's and Doctoral level through its CI, TMC, Mumbai and its OCCs, HBCH & MPMCC, Varanasi and HBCH & RC, Punjab giving students an opportunity to acquire knowledge and skills to provide quality cancer care to society.
- Teaching and guidance by nationally and internationally renowned faculty members who have won prestigious national awards like S. S. Bhatnagar award, Civilian awards, and honors like fellowships of national/international academies.
- Students have access to wide range of facilities starting from table top instruments to mega facilities such as research reactors, accelerators, tokamaks, and excellent support facilities such as well-equipped libraries, high performance computational facilities and modern laboratories at par with global standards.
- All Ph.D. students get DAE fellowships at par with UGC guidelines or higher
- No tuition fee is charged for most of the academic programmes run by HBNI
- Foreign Travel Assistance (FTA) is provided to doctoral students for participation in International Conferences, Symposia, Scientific meetings.

UNIQUE RESEARCH FACILITIES

The CIs of HBNI have a wide range of facilities ranging from tabletop set up to mega science facilities such as research reactors, accelerators, tokamaks, etc. Computational resources available to faculty and students are quite extensive and faculty is well trained to build own instrumentation and facilities. Thus, doctoral students have unique opportunity to work in frontline areas with world class facilities.



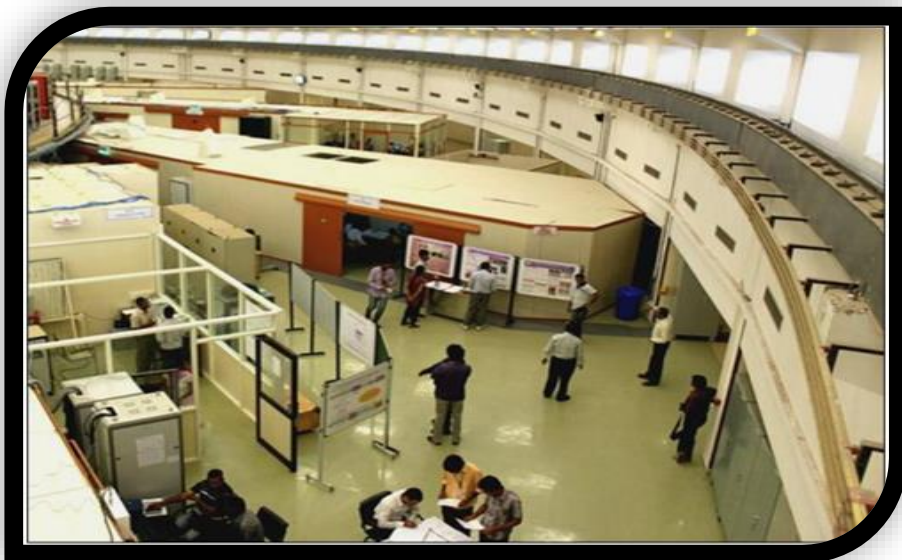
APSARA-U, Research Reactor at BARC



Steady State Superconducting Tokamak (SST-1) at IPR



Neutron Scattering Facilities inside the Dhruva Reactor Hall at BARC



Indus-2 Experimental Hall at RRCAT



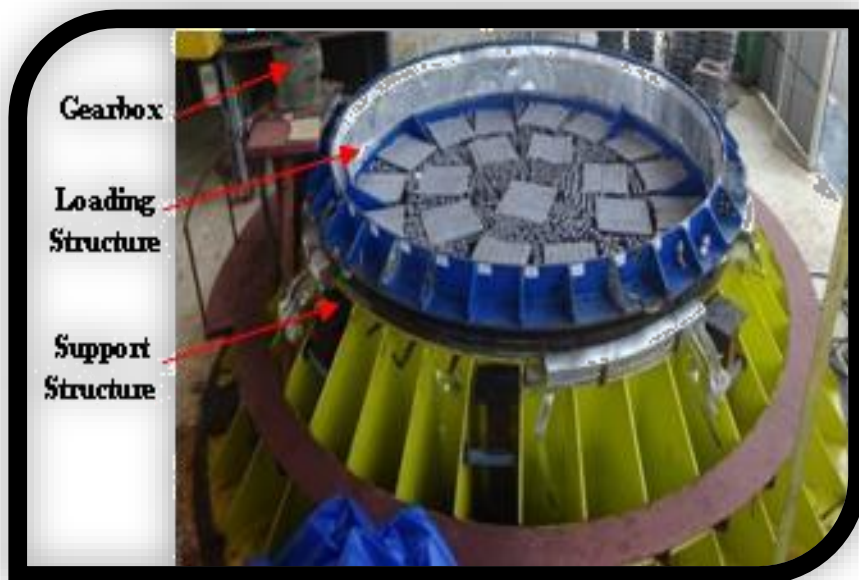
ANUPAM Atulya PetaFLOP Class Supercomputer at BARC



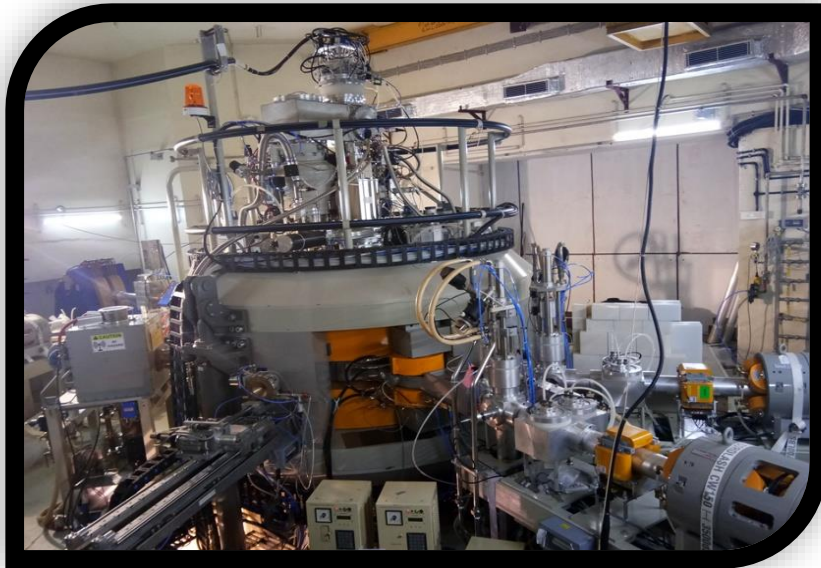
**Facility for Research in Experimental Nuclear Astrophysics,
(FRENA) at SINP**



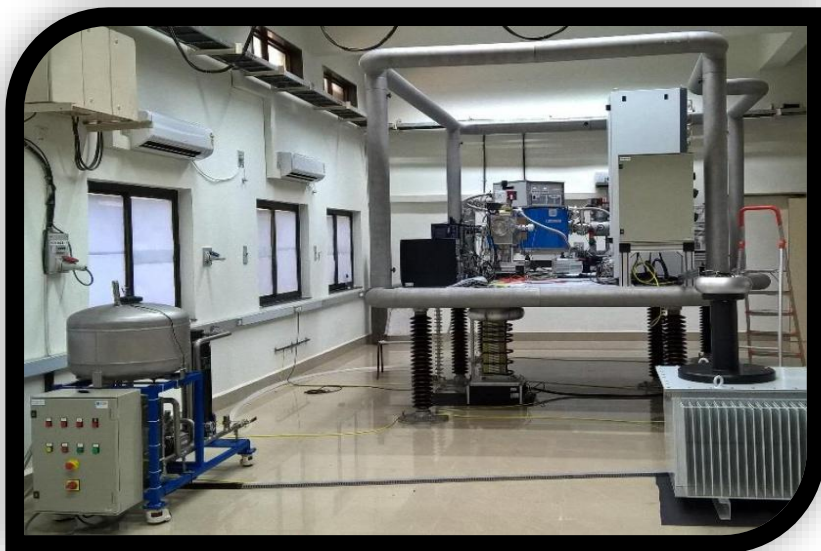
Infrared Free Electron Laser developed at RRCAT



Facility for functional testing and qualification of large diameter bearing at IGCAR



Medical Cyclotron Facility Cyclone-30 at VECC



Electron Cyclotron Resonance (ECR) ion source-based low-to-medium energy Ion-Beam Facility at IoP



Hot Cell Facility for studies on radioactive materials at BARC



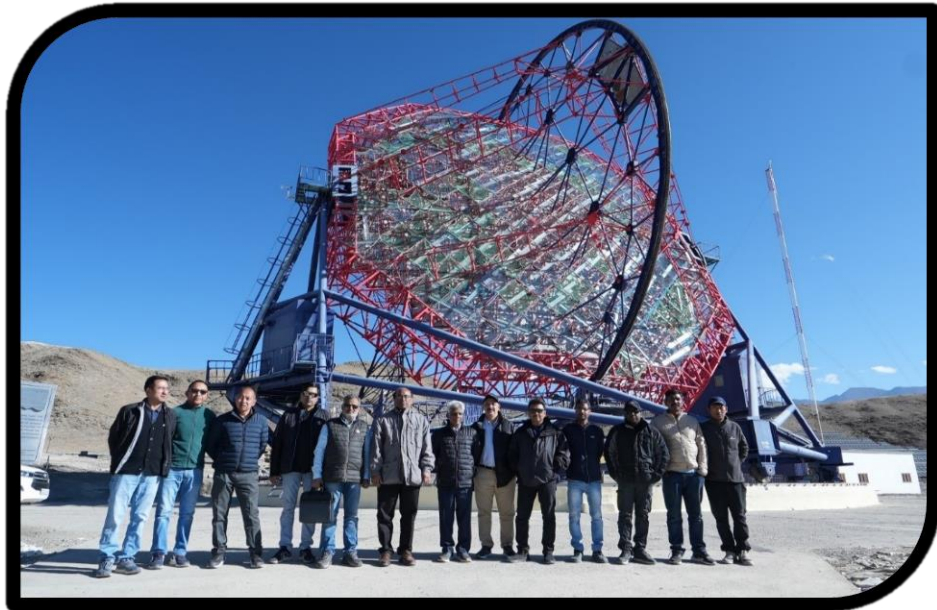
Laboratory Animal Facility at TMC-ACTREC



High Performance Computation Facility at HRI



Biosafety Lab (Level III) at RMC-BARC



MACE, the highest (in altitude) and second largest Cerenkov Telescope in the world located near Hanle, Ladakh

BOARDS OF STUDIES (BoS)

The Council of Management is the principal body for the management of the Institute. All academic issues are handled by Academic Council which functions on the advice of the Board of Studies (BoS) constituted for guiding various academic programmes in different disciplines. The different BoS are as follows:

- Applied System Analysis
- Chemical Sciences
- Engineering Sciences
- Interdisciplinary Science & Engineering
- Medical and Health Sciences
- Life Sciences
- Mathematical Sciences
- Physical Sciences

A separate Board of Studies looks after the Integrated Masters Programme at NISER. The details of various BoS can be found at <http://www.hbni.ac.in/bos.html>.

To manage the affairs of the Institute at the level of Constituent Institutions/ Off-Campus Centers, each CI/OCC has one or more Dean-Academic and a University Cell. The list of Dean-Academics at CIs and OCCs can be found at http://www.hbni.ac.in/dean_academics.html. Dean (Students' Affairs) have also been appointed at CIs and OCCs for the welfare of the students (<http://www.hbni.ac.in/studentsaffairs.html>). CIs/OCCs have also established a robust framework of admission, evaluation of performance and monitoring the progress of research work done by the students.

ACADEMIC PROGRAMMES OF HBNI

HBNI currently offers 48 different academic programmes in various disciplines of science at its constituent institutions (CIs)/off campus Centres (OCCs), the details of which are given below:

➤ **Ph.D.** degrees in varied disciplines (Applied System Analysis, Chemical Sciences, Computer Science, Computational Biology, Earth & Planetary Science, Engineering Sciences, Humanities & Social Sciences, Life Sciences,

Mathematical Sciences, Medical & Health Sciences, Physical Sciences, Theoretical Computer Science and Environmental Science and Engineering)

➤ **Integrated Ph.D.** in Applied System Analysis, Chemical Sciences, Computational Biology, Engineering Sciences, Life Sciences, Mathematical Sciences and Theoretical Computer Science

➤ **M.Sc.** (Engineering Sciences), **M.Sc.** (Physics), and **M.Sc.** (Mathematics)

➤ **M.Sc.** (Nursing), **M.Sc.** (Clinical Research)

➤ **M.Sc.** (Public Health in Epidemiology) and **Masters** in Occupational Therapy (Oncology)

➤ **M.Sc.** (Nuclear Medicine and Molecular Imaging Technology), **M.Sc.** (Patient Navigation) and **M.Sc.** (Nuclear Medicine Technology and Hospital Radio pharmacy)

➤ **M.Sc.** (Medical and Radiological Physics)

➤ **Integrated M.Sc.** (five-year duration in Chemical Sciences, Life Sciences, Mathematical Sciences and Physical Sciences)

➤ **Post-Graduate Medical Degree, M.D.** in various broad domains of Oncology

➤ **Super Specialty Medical Degree, D.M.** and **M.Ch.** in specialised domains of Oncology

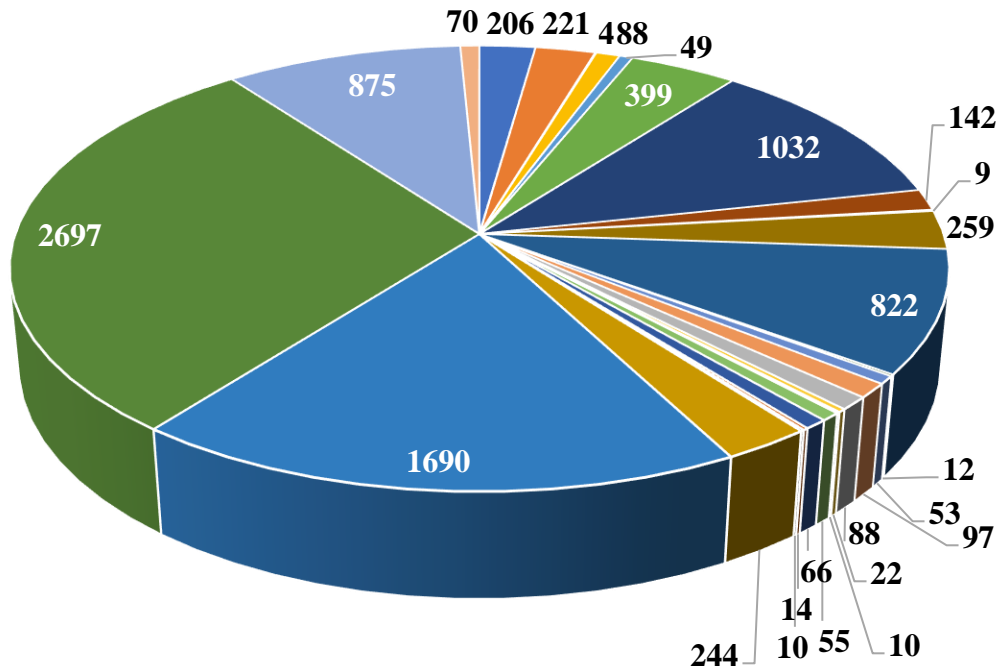
➤ **Post graduate (PG) Diploma** in Nuclear Science and Engineering (**PGDNSE**)

➤ **PG Diploma** in Radiological Physics (**DipRP**)

More details about the courses and admission requirements are available on HBNI website: <http://www.hbni.ac.in/>.

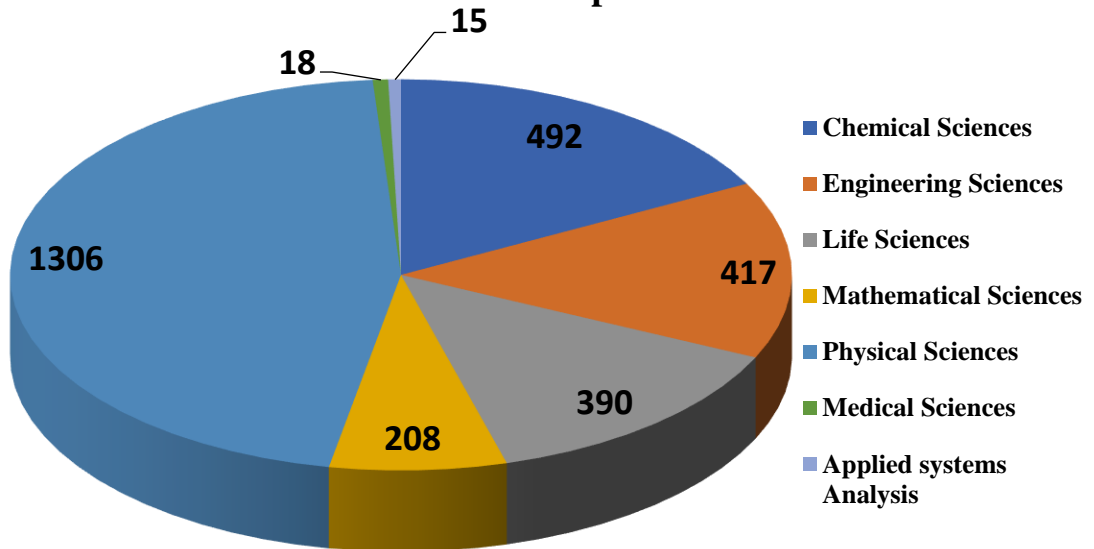
ACADEMIC DATA of HBNI

Total Results Declared for Various Academic Programs of HBNI till March 31, 2025: 9227

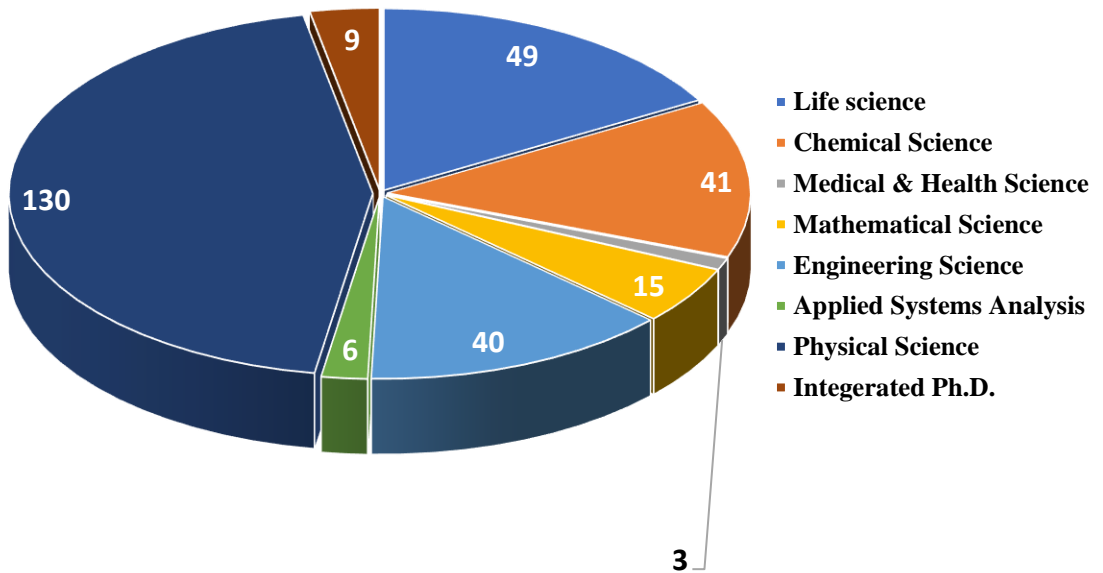


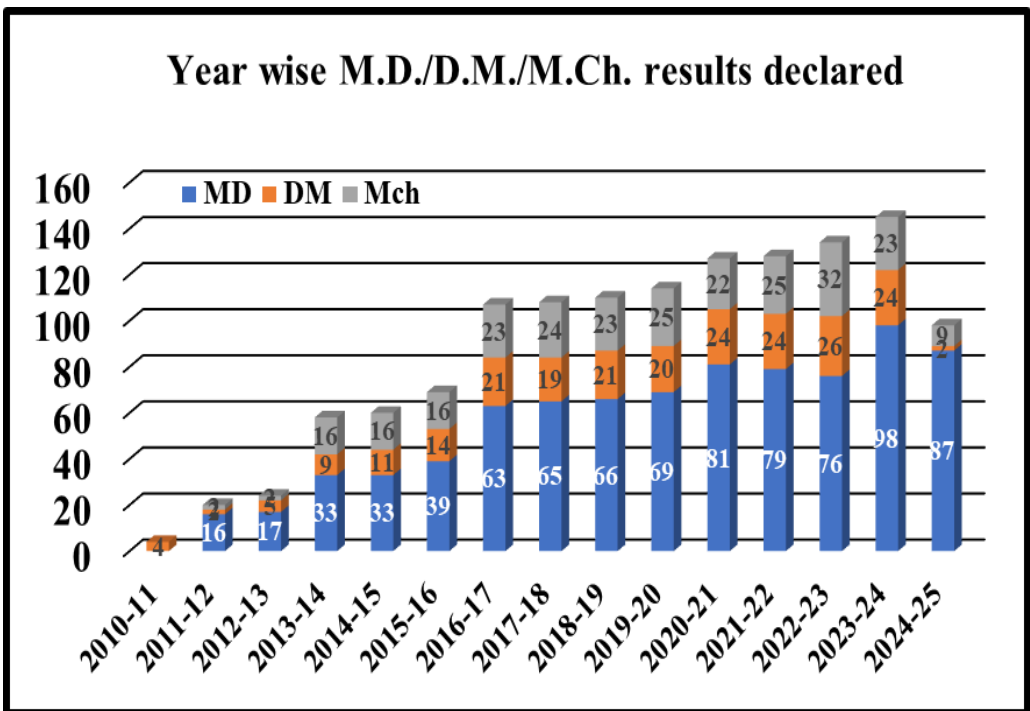
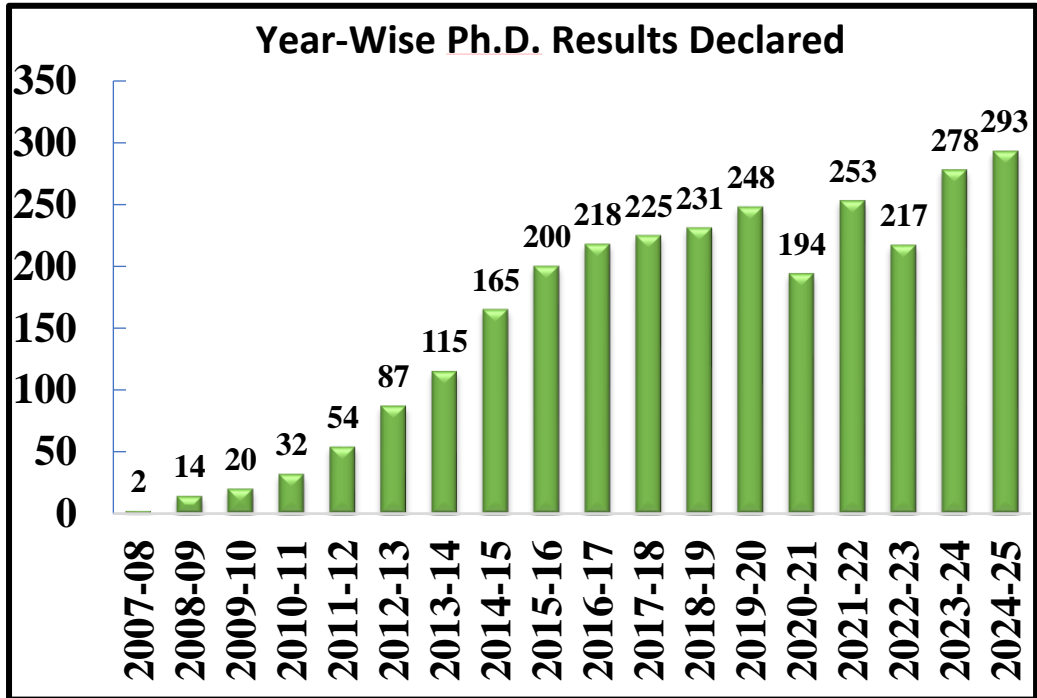
- Certified Fellowship
- D.M.
- DA-Dip. In Medicine(Anaesthesia)
- Diploma in Medical Radio-Isotope Tehniques (DMRIT)
- Diploma in Radiation Medicine (DRM)
- Diploma in Radiological Physics (Dip.RP)
- Integrated M.Sc. (Five Years)
- Integrated Ph.D. (Dual Degree)
- Integrated Ph.D. (Single Degree)
- M.Ch.
- M.D.
- M.Phil.
- M.Sc.
- M.Sc. (Clinical Research)
- M.Sc. (Engg)
- M.Sc. (Hospital Radiopharmacy)
- M.Sc. (Medical and Radiological Physics)
- M.Sc. (Nuclear Medicine and Molecular Imaging Technology)
- M.Sc. (Nursing)
- M.Sc. (Occupational Therapy in Oncology)
- M.Sc. (Public Health at Epidemiology)
- M.Sc. Degree of Int Ph.D. (Dual Degree)
- M.Tech.
- Ph.D.
- Post Graduate Diploma (PGD)

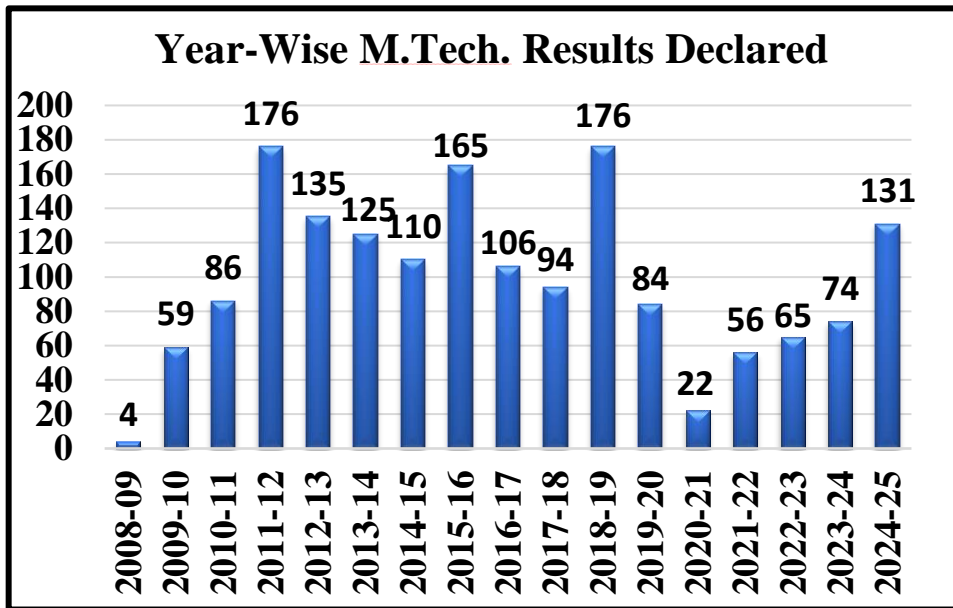
Discipline-Wise Distribution of Total (2846) Ph.D. Results Declared Since Inception



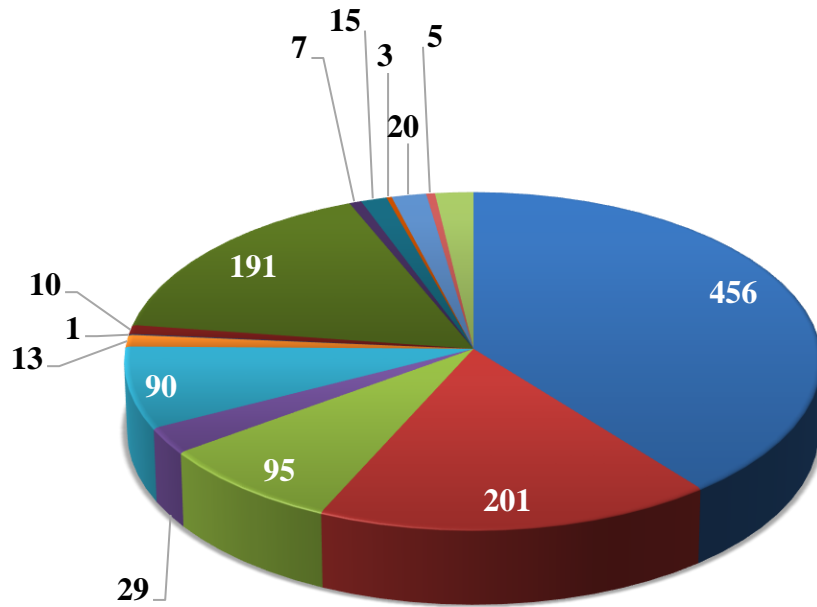
Discipline-wise Ph.D. Degrees Awarded by HBNI for the Period April 2024-March 2025







Total New Enrollments During 2024-25: 1158



- Ph.D. + Integrated Ph.D
- M.Tech + PG Diploma
- MD
- Dip RP
- DM/MCh
- M.Sc. (Physics)
- M.Sc. (Engg)
- M.Sc. (Medical and Radiological Physics)
- Integrated M.Sc.
- M.Sc. (Nursing)
- M.Sc. (Nuclear Medicine and Molecular Imaging Technology)
- M.Sc. (Public Health and Epidemiology)
- M.Sc. Clinical Research
- M.Sc. (Occupational Therapy in Oncology)
- Certified fellowship

ACADEMIC COLLABORATIONS

HBNI has signed Memorandum of Understanding (MoU) with the following eminent academic institutions in the country and overseas in order to obtain the benefits from the mutual expertise in various research areas, teaching, learning, facilitate collaborative research for the faculty and to enrich the knowledge of students:

1. Indian Institute of Science, Bangalore
2. Indian Institute of Technology, Bombay
3. Indian Institute of Technology, Kharagpur
4. Indian Institute of Technology, Kanpur
5. Indian Institute of Technology, Madras
6. Indian Institute of Technology, Indore
7. Indian Institute of Technology, Roorkee
8. Institute of Chemical Technology, Mumbai
9. Chennai Mathematical Institute, Chennai
10. Jadavpur University, Kolkata
11. Jawaharlal Nehru University, New Delhi
12. Panjab University, Chandigarh
13. Tata Institute of Fundamental Research, Mumbai
14. University of Calicut, Calicut
15. The Commissariat a l'energie atomique et aux energies alternatives, France
16. Ghent University, Belgium
17. Defence Institute of Advanced Technology, Pune
18. Indian Institute of Management (IIM), Ahmedabad
19. Confederation of Indian Industry (CII), Mumbai
20. Indian Institute of Technology, Delhi
21. Indian Institute of Technology, Jammu
22. Indian Institute of Technology, Guwahati
23. Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bangalore
24. AIC RRCAT PI-Hub Foundation (AIC π -Hub), Indore
25. Indian Institute of Technology, Hyderabad
26. AIC-IPR Plasmatech Innovation Foundation, Gandhinagar

These MoUs enable HBNI students to attend courses at above mentioned institutes and earn course credits. Research collaborations are also possible between HBNI and institutes under the MoU. HBNI students can also avail research facilities of these institutes. Faculty of such institutes can serve as co-guides of HBNI students and vice versa.

ACADEMIC PROCESSES

HBNI is implementing the academic programmes as per the prescribed Academic Calendar. The detailed information on the programmes is available with the Deans-Academic at the CIs/OCCs. The Calendar (http://www.HBNI.ac.in/academic_calendar.html) provides all necessary information and guidelines to the students as well as the faculty members about the academic process and the timelines to be strictly adhered to. The students are advised to carefully study these documents and clarify any doubt with their guides or with Dean (Student Affairs) (DSA) in their respective CIs/OCCs.

The details of the academic process for the HBNI academic programmes are given in the Ordinances and Code of Practice of HBNI (<http://www.HBNI.ac.in/ordinance.html>). The students should refer to the HBNI website for latest version of these ordinances along with academic code of practice, and other guidelines that may be updated from time to time. The format/ template for various types of forms is also available in the website, and students are advised to use the latest forms available in the website and not any other versions, as the forms undergo revision. A website, <http://www.anuvidhya.in> was launched by HBNI in 2020. The students can apply for online enrolment at this website. The website also allows for online submission of fee and all the documents required for issue of provisional degree certificate (PDC) viz., soft copy of the thesis, alumni form and feedback form by the Ph.D. and M.Tech. students. The facility for online submission of documents for result declaration is now being extended for all other academic programmes as well.

IMPLEMENTATION OF NEP 2020

HBNI has implemented several guidelines for HEIs as per NEP-2020, like the Industry Linkage Centre, R&D cell, Alumni and Placement cell, Academic Break, Internships, Uniform Credit system, Student transfer, Academic forms etc. and is implementing the remaining guidelines in a phased manner.

HBNI-Industrial Linkage Centre (HILC)

HBNI has set up a “**HBNI-Industry Linkage Centre (HILC)**” in 2022-23 for the benefit of its students and faculty members with the following objectives:

- (i) to facilitate the skill development of HBNI Ph.D. students by way of internship in Industry.
- (ii) to facilitate R&D collaboration between Industry and HBNI students/faculty with the aim of scaling up processes, commercializing/incubating new technologies, developing new processes/products of interest to DAE, etc.
- (iii) to facilitate the interaction between former scientific and technical experts from DAE and industry for taking up consultancy projects.

HBNI Alumni Cell

The Alumni Cell was constituted in the year 2019 in order to create a robust mechanism to remain in touch with the alumni of HBNI, obtain feedback and suggestions from them based on their experience and involve them in various promotional activities including guiding students for their placements. Alumni Ambassadors (both national & international) have been identified for networking with alumni of HBNI. Webinars by established and experienced alumni are conducted regularly. The recordings of these webinars are available on YouTube channel of HBNI, [HBNI Webinar](#). The details about the alumni cell of HBNI as well as links to alumni of CIs/OCCs are available in the HBNI website. The students can approach Alumni Cell of HBNI for help with their placement.

HBNI Placement Cell (HBNI-PC)

HBNI has set up a HBNI Placement Cell (HBNI-PC) which is the nodal point of contact for companies/industries seeking to establish a fruitful relationship with HBNI. It is a facilitating body which conducts training, provides technical support, and organizes placement activities for the graduating researchers from HBNI. Apart from providing the job and internship opportunities, HBNI-PC also offers an array of services to support HBNI students including the guidance to develop students' employability, technical and academic skills, and helps them to shape their career through various workshops and industrial tours.

HBNI-Institution Innovation Council (HIIC)

HBNI has established an Institution Innovation Council as per the norms of Innovation Cell, Ministry of Education, Govt. of India during the academic year 2023-24. The Council comprises of faculty members and students from different CIs/OCCs of HBNI and HBNI Central Office. The primary role of HIIC is to engage large number of faculty, students and staff in various innovation and entrepreneurship activities so that innovation and entrepreneurship ecosystem gets established and stabilized in all CIs/OCCs of HBNI. The members of HIIC from different CIs/OCCs in collaboration with Atal Incubation Centres (AICs) are encouraged to organise periodic workshops, talks on start-up and entrepreneurship, interactions with entrepreneurs, investors and professionals and create a mentor pool for student innovators. Organising programs supre-incubation, national level innovation challenge events, idea competition and workshops on intellectual property (IP) and patenting etc. are the activities of HIIC. The major focus of HIIC is to form a strong innovation eco-system encircling young innovative minds of students and research experience of faculty members of CIs/OCCs. HIIC members meet at regular intervals to formalize the discussion and keep action points for activities. The Innovation Ambassadors of HIIC undergo training and mentor the students for start-up and entrepreneur endeavour.

HBNI Research & Development Cell (HBNI R & D Cell)

As per CoM's direction, HBNI has formed an R & D apex committee comprising of the Directors of CIs and OCCs as the members, VC HBNI as the Chairperson and Dean HBNI as Member-Secretary.

Further, all CIs and OCCs have been requested to constitute R & D Cell in their Institute as per UGC guidelines.

PROGRAMMES OFFERED BY HBNI AT A GLANCE

<i>1. Post Graduate Degrees</i>				
S. No.	Programme Name	Subject	Program Code	CI/OCC
1.	Integrated M.Sc.	Physical Sciences	PHYS13	NISER
2.	Integrated M.Sc.	Chemical Sciences	CHEM13	NISER
3.	Integrated M.Sc.	Mathematical Sciences	MATH13	NISER
4.	Integrated M.Sc.	Life Sciences	LIFE13	NISER
5.	M.Sc.	Physical Sciences	PHYS08	HRI
6.	M.Sc.	Mathematics	MATH08	HRI
7.	M.Sc.	Medical and Radiological Physics	PHYS26	NISER
8.	M.Sc.	Engineering Sciences	ENGG03	BARC, IGCAR, IPR, VECC, RRCAT
9.	M.Sc.	Nursing	HLTH15	TMC
10.	M.Sc.	Clinical Research	HLTH17	TMC
11.	M.Sc.	Nuclear Medicine and Molecular Imaging Technology	HLTH19	BARC-RMC, TMC
12.	M.Sc.	Nuclear Medicine Technology and Hospital Radio Pharmacy	HLTH20	BARC-RMC
13.	M.Sc.	Public Health and Epidemiology	HLTH21	TMC
14.	Masters	Occupational Therapy (Oncology)	HLTH22	TMC
15.	M.Sc.	Patient Navigation	HLTH23	TMC
<i>2. Other Higher Degrees</i>				
MD/DM/ M.Ch./Dip RP				
16.	MD*		HLTH09	BARC, TMC
17.	DM**		HLTH10A	TMC
18.	M Ch***		HLTH10B	TMC
19.	Dip. RP		HLTH11	BARC
20.	Certified Fellowship		HLTH14	TMC

M. Tech./PGD (Post Graduate Diploma)

21.	M.Tech.	Engineering Sciences	ENGG01	BARC, IGCAR, RRCAT, IPR, VECC
22.	PGD	Physical Sciences	PHYS00	BARC
23.	PGD	Chemical Sciences	CHEM00	BARC
24.	PGD	Engineering Sciences	ENGG00	BARC
25.	PGD	Life Sciences	LIFE00	BARC

Ph.D.

26.	Integrated Ph.D. (Dual Degree)	Physical Sciences	PHYS05	HRI, IMSc, IoP, NISER
27.	Integrated Ph.D. (Dual Degree)	Chemical Sciences	CHEM05	NISER
28.	Integrated Ph.D. (Dual Degree)	Mathematical Sciences	MATH05	HRI, IMSc, NISER
29.	Integrated Ph.D. (Dual Degree)	Life Sciences	LIFE05	NISER
30.	Integrated Ph.D. (Dual Degree)	Engineering Sciences	ENGG05	BARC, IGCAR, RRCAT, VECC, IPR
31.	Integrated Ph.D. (Dual Degree)	Theoretical Computer Sciences	MATH30	IMSc
32.	Ph.D.	Physical Sciences	PHYS04	BARC, IGCAR, RRCAT, VECC, IPR, SINP, NISER, IoP, HRI, IMSc
33.	Ph.D.	Earth and Planetary Sciences	PHYS25	NISER
34.	Ph.D.	Chemical Sciences	CHEM04	BARC, IGCAR, NISER, SINP
35.	Ph.D.	Mathematical Sciences	MATH04	NISER, IMSc, HRI
36.	Ph.D.	Computer Sciences	MATH28	NISER
37.	Ph.D.	Theoretical Computer Sciences	MATH29	IMSc
38.	Ph.D.	Life Sciences	LIFE04	BARC, NISER, SINP, TMC, IMSc
39.	Ph.D.	Engineering Sciences	ENGG04	BARC, IGCAR, RRCAT, VECC, IPR

40.	Ph.D.	Medical and Health Sciences	HLTH04	BARC, TMC
41.	Ph.D.	Applied System Analysis	APSA04	BARC, IGCAR, NISER
42.	Ph.D.	Humanities and Social Sciences	APSA27	NISER
43.	Ph.D.	Environmental Science and Engineering	IDSE04	BARC
44.	Ph.D.	Computational Biology	LIFE24	IMSc
45.	Integrated Ph.D. (Single degree)	Computational Biology	LIFE18	IMSc
46.	Integrated Ph.D. (Single degree)	Engineering Sciences	ENGG18	BARC, IGCAR, RRCAT, VECC, IPR
47.	Integrated Ph.D. (Single degree)	Applied System Analysis	APSA18	BARC, IGCAR
48.	Integrated Ph.D. (Single degree)	Physical Sciences	PHYS18	IMSc, IGCAR

*Anaesthesiology/ Immuno-Haematology & Blood Transfusion/ Microbiology/ Nuclear Medicine/ Palliative Medicine/ Pathology/ Radiation Oncology/ Radio-diagnosis

**Medical Oncology/ Pediatric Oncology/ Gastroenterology/ Critical Care Medicine/ Onco-Pathology/ Interventional Radiology

***Surgical Oncology/ Head & Neck Surgery/ Gynecological Oncology/ Plastic & Reconstructive Surgery

GUIDELINES FOR STUDENTS

Guidelines for Publications

HBNI is very keen that the publications of its students as well as faculty members are not only of high standards, but also conform to the best ethical practices. Guidelines for publications have been framed by HBNI and all Deans (Academic) have been sensitized about implementing the guidelines. In addition, the CIs/OCCs may have additional guidelines for publications which also should be met by the students and faculty. The students are advised to discuss with their guide or Dean (Academic) or Dean (Student Affairs) about the guidelines and ensure that they are followed in the publication process.

Students should ensure that their affiliation to HBNI is reflected in the publications. When a thesis is submitted to HBNI for the award of a degree, it is required that the publications appearing in the thesis reflect the HBNI affiliation. Boards of Studies have been advised that the publications of students that do not reflect HBNI affiliation need not be considered for the award of degree.

Completion/ discontinuation of programmes

On completion of the academic programme, or in case the student has to discontinue the programme for any valid reasons, the student should intimate the same to the Guide and to the Dean (Student Affairs). The student should also meet all administrative requirements of the CI/OCC, such as handing over of documents, materials, apparatus, books drawn from library, accommodation, identity card, etc.

Other Guidelines

Discipline

1. The students are expected to dress and conduct themselves in a proper manner.
2. HBNI has zero tolerance policy for ragging. If a student is found guilty of ragging, his/her enrolment could be cancelled, besides initiation of other actions as prescribed in Government rules. Students are also strictly warned

not to indulge in any form of sexual harassment, which will attract disciplinary action as per the government norms.

3. The student is expected to adhere to the guidelines/instructions provided by the Guide and the Doctoral Committee in all academic matters. In administrative matters, he/she will be governed by the rules and procedures of the CI/OCC. The student is expected to strictly follow the code of conduct prescribed by the Institute and the CI/ OCC. If a student commits a breach of the code of conduct, his/her enrolment could be cancelled, and he/she would also attract administrative actions as per the rules of the CI.
4. HBNI aims at curbing all kinds of gender-based discrimination and providing equal opportunities for education and employment to all genders in exploring every resource of its CIs/OCCs. In fact, 31% of currently enrolled Ph.D. students at HBNI are female students. A grievance cell is functional at each CI/OCC, which the student is welcome to approach, in case he/ she has any kind of grievance. An Ombudsman has been appointed by HBNI for redressal of grievances of its students. However, it is expected that before the matter is taken up with the grievance cell, the student has exhausted all other options including discussion with Dean (Student Affairs).
5. In case a student is not satisfied with the redressal mechanism in the CIs/OCCs, he/she may seek support from the Central Office of HBNI by forwarding a representation to the Convener, HBNI Grievance Redressal Committee or e-mail to sghbni@hbni.ac.in, through proper channel.
6. Sexual harassment includes such unwelcome sexually determined behaviour (whether directly or by implication) as: (i) Physical contact and advances, (ii) A demand or request for sexual favours, (iii) Sexually coloured remarks, (iv) Any other unwelcome physical, verbal, or non-verbal conduct of a sexual nature. Behaviour such as these constitutes an action unbecoming of a student/staff member of the Institute and will attract appropriate disciplinary action. A Sexual Harassment Complaint Committee (SHCC) is functional in all the CIs/OCCs, and Women's Cell at HBNI Central Office. Any aggrieved female student, regardless of the age, can lodge a complaint of sexual harassment in the work place with SHCC/Women's Cell, HBNI Central Office. The contact details of the members of Women's Cell are available on HBNI website (<http://www.hbni.ac.in/pdf/Women%20cell%20HBNI%202023.pdf>).
7. The students and faculty members are expected to function with highest level of academic integrity. In their academic behaviour, there should be open adoption of ethical practices. The term "ethical practice" will include avoiding/reporting/ discouraging plagiarism, giving due credits to co-workers and not indulging in any kind of cheating including fudging of experimental

data. The ethical practices regarding publications are discussed in the guidelines that have been issued in this regard.

8. The students are required to attend lectures and other academic activities and meet the requirement of the minimum residence time prescribed for the programme. The applications for leave of absence must be made to the Research Supervisor in advance and approval for the leave should be obtained before proceeding on leave. The eligibility regarding the various kinds of leave is notified by the authority paying the fellowship/stipend. The participation in any scientific event in India or abroad will be treated as on duty. Unauthorised absence for long periods of time may result in termination of enrolment. For more details, please visit www.hbni.ac.in.

DETAILS OF HBNI OMBUDSPERSON



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PRADHAN MANTRI VIDYALAXMI (PM-VIDYALAXMI) SCHEME

Pradhan Mantri Vidya Laxmi (PM Vidyalaxmi) Scheme is an initiative by the Government of India to provide a single-window platform for students seeking education loans.

Overview: The Union Cabinet on 6th November 2024, approved “Pradhan Mantri Vidyalaxmi” (PM-Vidyalaxmi), a Central Sector Scheme to support meritorious students so that financial constraints do not prevent any youth of India from pursuing quality higher education. This is launched by Ministry of Finance and managed by NSDL e-Governance Infrastructure Ltd.

Key Features

- Easy to apply for education loans from multiple banks
- Online view and track loan applications
- Access information on scholarship schemes
- Students can fill a Common Education Loan Application Form (CELAF) online.
- Submit to multiple banks (up to 3) at one time
- Over **40 banks** including SBI, HDFC, PNB, Bank of Baroda, etc.

Eligibility

- Indian students who wish to pursue higher education in India or abroa.
- Admission must be confirmed in a recognized institution

Loan Amount

- Varies depending on the bank and course, typically up to ₹7.5 lakh for domestic and ₹15 lakh or more for abroad, with a subsidized interest rate.

Benefits:

- Transparent and standardized loan application system
- Saves time and effort – no need to visit multiple bank branches
- Greater accessibility to financial assistance for education

For more details please visit: <https://www.vidyalaxmi.co.in/Students/>

IMPORTANT MILESTONES OF HBNI

S.No.	Milestone	Date
1.	Constituting a steering committee to set up HBNI	April 21, 2003
2.	Submission of documentation to the MHRD by the DAE	January 14, 2004
3.	Constitution of the first Council of Management, designating individuals to the post of Director and Dean	November 18, 2004
4.	Registration of HBNI as a Society	November 18, 2004
5.	Visit of an expert committee appointed by the UGC to HBNI	March 28, 2005
6.	Registration of HBNI as a trust	June 2, 2005
7.	Notification by the MHRD declaring HBNI as a deemed to be University	June 3, 2005
8.	Approval of first set of results by the CoM	July 14, 2008
9.	First review of the functioning of HBNI by a review committee set up by the MHRD	September 19, 2009
10.	Review by a committee appointed by the UGC	April 2, 2010
11.	Second review of the functioning of HBNI by a task force constituted by the MHRD	August 21, 2012
12.	Notification by the DAE declaring HBNI as a “Grant-in-Aid Institution	February 19, 2014
13.	Review of HBNI by the National Assessment and Accreditation Council (NAAC)	April 25-May 2, 2015
14.	Accreditation of HBNI as a “A+” grade University by NAAC (second cycle)	March 16, 2021
15.	15 th rank among Research Institution Category, 17 th in University Category, 30 th in Overall Category by National Institutional Ranking Framework (NIRF) of MoE	June 05, 2023
16.	Recognition of Mahamana Pandit Madan Mohan Malviya Cancer Centre and Homi Bhabha Cancer Centre at Varanasi 2 nd off-campus Centre of HBNI	May 20, 2024
17.	6 th rank among Research Category, 16 th in University Category, 27 th in Overall Category by National Institutional Ranking Framework (NIRF) of MoE	August, 2024
18.	Recognition of Homi Bhabha Cancer Hospital and Research Centre at New Chandigarh, Punjab as 3 rd Off-Campus Centre of HBNI	April 7, 2025
17.	7 th rank among Research Category, 12 th in University Category, 20 th in Overall Category by National Institutional Ranking Framework (NIRF) of MoE	September 4, 2025

CONTACT DETAILS OF KEY OFFICIALS OF HBNI

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HBNI
Leading the way

In NIRF Rankings 2025



NATIONAL
INSTITUTIONAL
RANKING
FRAMEWORK
2025

Source: <https://www.nirfindia.org/>

Ranked

7

Research
Category



Ranked

12

University
Category



Ranked

20

Overall
Category



<http://www.hbni.ac.in/>



[youtube.com/@hbniwebinar2548](https://www.youtube.com/@hbniwebinar2548)



Homi Bhabha National Institute (HBNI)



Bhabha Atomic Research Centre (BARC)



Indira Gandhi Centre for Atomic Research (IGCAR)



Raja Ramanna Centre for Advanced Technology (RRCAT)



Variable Energy Cyclotron Centre (VECC)



The Institute of Mathematical Sciences (IMSc)



Saha Institute of Nuclear Physics (SINP)



Harish-Chandra Research Institute (HRI)



Institute of Physics (IoP)

होमी भाभा राष्ट्रीय संस्थान

Homi Bhabha National Institute

(A Deemed to be University u/s 3 of UGC Act 1956 and An aided Institute of the Department of Atomic Energy)

www.hbni.ac.in



Institute for Plasma Research (IPR)



Tata Memorial Centre (TMC)



Homi Bhabha Cancer Hospital & Mahamana Pandit Madan Mohan Malaviya Cancer Centre (HBCH & MPMMCC)



National Institute of Science Education and Research (NISER)



Homi Bhabha Cancer Hospital & Research Centre (HBCH & RC)

होमी भाभा राष्ट्रीय संस्थान

Homi Bhabha National Institute

ट्रेनिंग स्कूल परिसर / Training School Complex

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