

Half-a-day theme meeting entitled
"HBNI: AN ENABLER TO DAE's ACADEMIC PROGRAMMES"

A half-day theme meeting was organised by Homi Bhabha National Institute (HBNI) entitled "HBNI: an enabler to DAE's academic programmes" on 9th November 2024 at Multi-Purpose Hall, Training School Hostel, Anushaktinagar from 9.30 a.m. to 2.00 p.m. as part of Department of Atomic Energy's (DAE) Platinum Jubilee Celebrations. The program was meant to enlighten faculty from Science and Engineering colleges (in and around Mumbai) about HBNI.

About 150 participants registered for the program via google forms and direct registration (mainly students from the JRF program as well as faculty from BARC). The participants were mainly Professors, Associate and Assistant Professors from various colleges such as Vivekanand Education Society's Institute of Technology, Centre for Excellence in Basic Sciences, B K Birla college of Arts Science and Commerce, University of Mumbai, Institute of Chemical Technology Mumbai and so on.

The program began with the welcome address by honourable vice chancellor, HBNI Prof. U. Kamachi Mudali. Prof. Mudali spoke about HBNI and its various academic programmes describing the strong philosophy of interdisciplinary research which is the unique feature of HBNI as a research university. He also apprised the participants about excellent performance of HBNI in the latest NIRF ranking of 6th in research category and 1st positions in publications in physical sciences in the latest Nature Index (2024) India ranking.



Hon'ble Vice Chancellor, HBNI, Prof. U. Kamachi Mudali delivering the welcome address

There were two technical sessions. The first session was chaired by Prof. Archana Sharma, Former Distinguished Scientist and Director, Beam Technology Development Group. This session had a talk by Prof. A.K. Tyagi, Dean HBNI entitled "Interdisciplinary Science and Engineering: Hallmark of DAE". In his talk, Prof. Tyagi spoke about interdisciplinary research

as part of various DAE programs from its inception, as it has to encompass through understanding of science, development of suitable materials, processes or products, and implementation in plants for practical applications.



Prof. Archana Sharma, Former Distinguished Scientist and Director, Beam Technology Development Group, BARC chairing the first technical session.



Prof. A. K. Tyagi, Dean HBNI, delivering his talk.

The second technical session was chaired by Shri. P.K. Sharma, Additional Director, AMDER. The session comprised of three talks. Prof. S. M. Yusuf, Distinguished Scientist and Director, Physics Group, BARC spoke on “Mega Science Programs in BARC”. In his talk, he apprised the participants about accelerator/reactor-based fusion-fission studies, nuclear astrophysics, nuclear data management and reactor-based neutrino physics done by BARC. He also talked about detectors, heavy ion accelerators, National Facility for Neutron Beam Research, Indus synchrotron and MACE and TACTIC telescopes of DAE. Prof. S. Banavali, MD, Director-Academics, Prof. Department of Medical and Pediatric Oncology, Tata Memorial Centre spoke on “Role of TMC in cancer care in India”. Shri B. K. Chakraborty, Sr. Executive Engineer, Nuclear Power Corporation of India Limited spoke on the topic entitled “India Nuclear Power Programme: Evolution & Road Ahead”.



Shri. P. K. Sharma, Additional Director AMDER chaired the second technical session.



Shri. S. M. Yusuf, Distinguished Scientist and Director Physics Group, BARC delivering his talk.



Prof. S. Banavali, MD, Director-Academics, Prof. Department of Medical and Pediatric Oncology, Tata Memorial Centre delivering his talk.



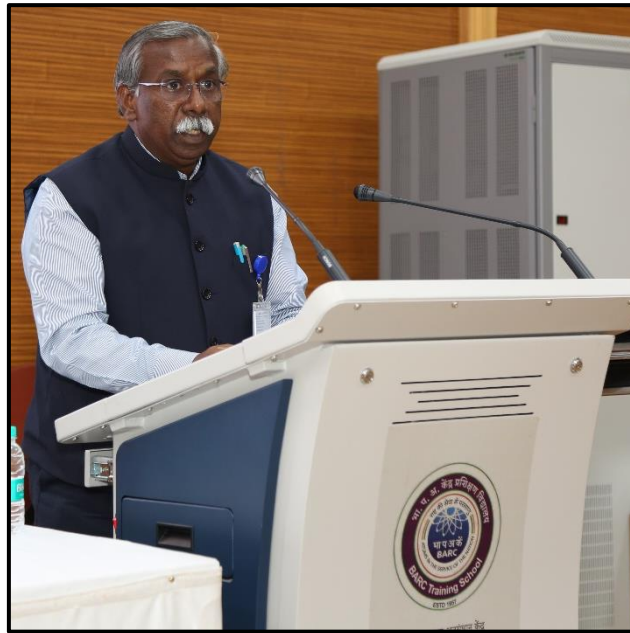
Shri B. K. Chakraborty, Sr. Executive Engineer, Nuclear Power Corporation of India Limited delivering his talk.

At the end of the technical session, an interactive session was organised wherein participants were encouraged to ask their queries to all the speakers. The interactive session received many questions regarding how the colleges and other institutes can avail the excellent facilities available with DAE. The participants were apprised of various ways and means by which they can collaborate with scientists and engineers of DAE and make use of its excellent infrastructure such as informal collaboration, applications through proper channel to Human Resource Development Division (HRDD) and funding opportunities through Board of research in Nuclear Sciences (BRNS).



Participants during the theme meeting.

The meeting ended with a vote of thanks by Prof. P. C. Selvin, registrar HBNI.



Prof. P. C. Selvin, registrar HBNI delivering the vote of thanks.

All the registered participants were also provided with a participation certificate.



Group photograph of all the participants.