

Circulation by e-mail only

Minutes of the Meeting

27th MEETING OF THE ACADEMIC COUNCIL



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

Phone Nos.: 022-25597554, 25597626

MINUTES OF 27th MEETING of the Academic Council

The following members were present during the meeting held on 17th June 2021.

Prof. P.R. Vasudeva Rao, Vice Chancellor, **Chairman**
Prof. P.D. Naik, Dean, HBNI
Prof. A.K. Mohanty, Director, BARC
Prof. A. K. Bhaduri, Director, IGCAR
Shri Debashis Das, Director, RRCAT
Dr. Sumit Som, Director, VECC
Prof. Gautam Bhattacharyya, Director, SINP
Sh. Shashank Chaturvedi, Director, IPR
Prof. S.M. Yusuf, Director, IoP, Convenor, BoS (Phy. Sci.), & Dean Student Affairs, BARC
Prof. V. Arvind, Director, IMSc
Prof. Pinaki Majumdar, Director HRI
Dr. R.A. Badwe, Director, TMC
Prof. Sudhakar Panda, Director, NISER
Prof. E.D. Jemmis, IISc, Bangalore
Prof. Indranil Manna, IITKharagpur
Prof. J.B. Udgaonkar, IISER, Pune
Prof. B. Venkatraman, IGCAR
Prof. V. Kain, OS, MP&CD, & Dean Academic, Engg. Science Stream-I, BARC
Prof. S. Kannan, Convenor, BoS (Chemical Sciences)
Prof. A.P. Tiwari, Convenor, BoS (Engineering Sciences)
Prof. R.B. Grover, Convenor, BoS (Applied Systems Analysis)
Prof. S.D. Banavali, Convenor, BoS Medical & Health Sciences, & Dean, TMC
Prof. (Mrs.) Prasanna Venkatraman, Convenor, BoS (Life Sciences)
Prof. Meena Mahajan, Convenor, BoS (Mathematical Sciences)
Prof. Bedangadas Mohanty, Convenor, BoS Integrated Masters Programme
Prof. B.K. Dutta, Institute Chair Professor, HBNI
Prof. B.S. Tomar, Institute Chair Professor, HBNI
Prof. D.K. Maity, Assoc. Dean, HBNI
Prof. A.K. Dureja, Assoc. Dean, HBNI
Prof. Saibal Basu, Assoc. Dean, HBNI
Prof. A.K. Bhattacharjee, Dean Academic, Engg. Sciences Stream-II, BARC
Prof. Tapan Kumar Ghanty, Dean Academic, Chemical Sciences, BARC
Prof. (Ms.) Hema Rajaram, Dean Academic, Life Sci., BARC
Prof. R. Rajaraman, Dean Academic, Physical Sciences, IGCAR
Prof. Anish Kumar, Dean Academic, Engineering Sciences, IGCAR
Prof. Vidhya Sunderajan, Dean, Student Affairs, IGCAR
Prof. CVS Brahmananda Rao, Dean Academic, Chemical Sciences, IGCAR
Prof. Arup Banerjee, Dean Academic, RRCAT
Prof. C.P. Paul, Dean Student Affairs, RRCAT
Prof. Parnika Das, Dean Academic, Physical Sciences, VECC
Prof. Sarabjit Pal, Dean Academic, Engineering Sciences, VECC
Prof. Tilak Ghosh, Dean Student Affairs, VECC
Prof. Partha Saha, Dean Academic, Chemical/ Life Sciences, SINP
Prof. Pranay Swain, Dean Academic, NISER
Prof. Renjit Mathew, Dean Student Affairs, NISER

- (xiv) Advanced Accelerator Physics-II: (Credit :4)
- (xv) Advance Materials Science (Credit 4)

II. Engineering Sciences

Prof. A.P. Tiwari presented activities of the BoS Engineering Sciences. The BoS recommended 6 faculty and 11 MTech guides. The academic extension of PhD/ DDFS students were recommended for 3 candidates. From the period of Dec. 2020 to June 2021 the BoS has reviewed 27 synopsis and it was informed that shortlisting of examiners was completed for the 21 shortlisted synopses.

The Board has introduced five value added courses at BARC and eleven courses for PhD/MSc(engg) at VECC.

(a) Introduction of Value added courses at BARC

S. No.	Course Title	Lecture Hours	Credits
1.	Advanced Mass Transfer	45	6
2.	Advanced Chemical Reaction Engineering	45	6
3.	Membrane Technology	45	6
4.	Theory of Plasticity	45	6
5.	Advanced Concepts in Finite Element Methods	45	6

(b) Introduction of courses at VECC for PhD/MSc(engg) programs

S. No.	Course Title	Lecture Hours	Credits
1.	Artificial Intelligence & Machine Learning	48	6
2.	Computer Architecture	42	5
3.	Advanced RF System	42	5
4.	Advanced Power Electronics	48	6
5.	Cryogenic Engineering	48	6