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सह डीन

Dr. A. K. Dureja

Associate Dean

Minutes of 9th IQAC Meeting



TECHNOLOGIES FOR
NEW INDIA@75
आजादी का अमृत महोत्सव



होमी भाभा राष्ट्रीय संस्थान
July 16, 2021

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Ref.: HBNI/IQAC/9th Meeting/2021/

16/07/2021

Minutes of 9th meeting of Internal Quality Assurance Cell (IQAC)

Minutes of ninth meeting of the Internal Quality Assurance Cell (IQAC), HBNI held at Council Hall, HBNI, Anushaktinagar, Mumbai on 16th July, 2021 is as follows:

Present:

1.	Prof. P. R. Vasudeva Rao	Vice Chancellor, HBNI	Chairman
2.	Prof. P.D. Naik	Dean, HBNI	Member
3.	Prof. Arup Banerjee	Professor, RRCAT	Member
4.	Prof. G. Ravikumar	Head, SIRD, BARC and Associate Dean, HBNI	Member
5.	Prof. S. Laskar	Associate Professor and Nodal Officer, Tata Memorial Centre	Member
6.	Shri Swaminathan	Chief Administrative Officer, Heavy Water Board	Member
7.	Prof. S. Mukhopadhyay	Senior Professor & Dean Academics (Engg. Sc.-II), BARC	Member
8.	Prof. D.K. Maity,	Professor & Associate Dean and Registrar Ex-Officio, HBNI	Member
9.	Prof. Parnika Das	Professor & Dean Academics (Physical Sciences), VECC	Member
10.	Prof. R. Thangadurai	Professor & Dean (Students' Affairs), HRI	Member
11.	Prof. Harapriya	Associate Professor, NISER	Member
12.	Smt. K.S. Lakshmi	Head, Training School, NFC, Hyderabad	Member
13.	Dr. T.S. Sunil Kumar	Head, AMD Training School, Hyderabad	Member
14.	Shri Akash Dileep	PhD Student, Engineering	Member

	Gandhi,	Sciences, BARC	
15.	Prof. A.K. Dureja	Professor and Associate Dean, HBNI	Coordinator

Members who could not attend:

1.	Prof. A.K. Bhattacharjee	Senior Professor, BARC	Member
2.	Dr. B. Chandrasekar	Registrar, HBNI	Member

IQAC was reconstituted on June 28, 2021 vide Office order no. HBNI/VCO/13(2)/2021/75 dated July 02, 2021. Meeting got started with an introduction of all the participants.

M.1: Welcome address and opening remarks by VC, HBNI

Vice Chancellor welcomed all the participants to the meeting and reiterated the importance of IQAC in maintaining the quality of learning in a higher education institute.

M.2: Role of IQAC in maintaining quality standards in teaching, learning and evaluation

Prof. Dureja presented the role of IQAC. He discussed about the major objectives of IQAC in building image of the university to the stakeholders with confidence, transparency and accountability by ensuring good practices in all aspects of management. He emphasized on the functions of IQAC such as to develop a data base with open access to all and develop an Institutional QA Strategic Plan.

M.3: Accreditation of HBNI by NAAC in March, 2021

Prof. Naik discussed about the second cycle of Accreditation by NAAC. Based on the self-study report submitted by HBNI, National Assessment and Accreditation Council (NAAC) peer team visited HBNI in the month of March, 2021. Prof. Naik informed the cell that HBNI has been accredited by NAAC with a CGPA of 3.40 on a four-point scale at 'A+' Grade in the second cycle of accreditation in the year 2021.

Prof. Naik elaborated the process of data compilation from all CIs/OCC for preparing the self-study report for submitting to NAAC. The cell suggested that we should devise a mechanism to collect such data using Integrated Management Software. Cell also discussed the importance of placement and alumni cell in HBNI.



M.4: Plan of action for forthcoming Academic Year i.e. 2021-22: Proposal for new courses, new value-added courses, harmonization of Research Methodology course

Discussing the plan of action for academic year 2021-22, cell stated that as the core courses may not change much, value-added courses should be planned in advance to enable students to register for these courses.

The cell deliberated on compulsory course on Research Methodology (RM) for all research scholars. To harmonize the syllabus across the campuses it was advised to deliver the core part of this course from Central Office. Prof. Laskar informed the cell that the TMC also runs a course on RM discussing about ethics and gamut of the domain.

M.5: Specialised courses offered by various CIs/OCC

Specialised courses have been planned by various CIs/OCC. SINP is planning to offer a course on Emerging trends in Bio-physics from August 12, 2021. Prof. D. K. Maity will be the Co-Ordinator for this course from Central Office. A course on High Pressure Physics by Dr. S. M Sharma, RRF has also been planned. Dr. G. Ravikumar will be the Co-Ordinator for this course from Central Office.

VC informed the cell that three specialized courses have already been delivered at Central Office. VC suggested Prof. Arup Banerjee to come up with a course on Lasers by RRCAT for benefit of students all across the country. He further suggested Prof. G. Ravi Kumar to formulate new courses on Synchrotron Sources and Physics for Accelerator.

M.6, M.7, M.8: Online application for faculty recognition and upgradation. Faculty induction and review. Summary of Annual Quality Assurance Report (AQAR) 2019-20 submitted to NAAC. Quality improvement strategies especially for online lectures and evaluation

Prof. Dureja informed the cell that faculty induction programme was conducted on June 24, 2021 for the year 2020-21. During this faculty induction programme newly inducted faculty members were briefed about the academic processes in HBNI. A brief presentation of Academic Ordinance was also done to familiarize newly inducted members. The cell suggested that faculty recognition and upgradation process to be made online.

Prof. Naik briefed the cell about the submission of AQAR 2019-20 to NAAC.

Prof. Banerjee pointed out the challenges involved in preparing question papers, conducting exams and evaluation through online mode. Prof. Laskar informed the cell



that TMC conducted exams for all its courses in offline mode maintaining Covid-19 protocols. Mrs. K. S. Lakshmi informed the cell that online classes were conducted for TSOs and exams were conducted offline.

M.9: Student support services specially during pandemic

As per guidelines issued by UGC, HBNI had extended the thesis submission deadline till January 31, 2022 for all the PhD students, whose normal / extended tenure was during the pandemic period of March 2020 to December 2021. Prof. Laskar informed the cell that continuous communication was maintained by TMC with all their students to support them psychologically.

VC informed the cell that all CIs/OCC may take up the matter of fellowship during the extended academic tenure with DAE.

M.10: Any other item with the permission of the Chair

As there were no more items, the meeting concluded with thanks to the chair and all the members and invitees.



Ref.: HBNI/IQAC/10th Meeting/2021/

27/12/2021

Minutes of 10th meeting of Internal Quality Assurance Cell (IQAC)

Minutes of 10th meeting of the Internal Quality Assurance Cell (IQAC), HBNI held at Council Hall, HBNI, Anushaktinagar, Mumbai on 18th November, 2021 is as follows:

Present

1.	Prof. P. R. Vasudeva Rao	Vice Chancellor, HBNI	Chairman
2.	Prof. P.D. Naik	Dean, HBNI	Member
3.	Prof. Arup Banerjee	Professor, RRCAT	Member
4.	Prof. G. Ravikumar	Head, SIRD, BARC and Associate Dean, HBNI	Member
5.	Prof. S. Mukhopadhyay	Senior Professor & Dean Academics (Engg. Sc.-II), BARC	Member
6.		HBNI	Member
7.	Prof. D.K. Maity,	Professor & Associate Dean and Registrar Ex-Officio, HBNI	Member
8.	Dr. T.S. Sunil Kumar	Head, AMD Training School, Hyderabad	Member
9.	Shri Akash Dileep Gandhi,	PhD Student, Engineering Sciences, BARC	Member
10.	Prof. B.K. Dutta	Institute Chair Professor, HBNI	Invitee
11.	Prof. B.S. Tomar	Institute Chair Professor, HBNI	Invitee
12.	Prof. A.K. Dureja	Professor and Associate Dean, HBNI	Coordinator

Members who could not attend:

1.	Prof. A.K. Bhattacharjee	Senior Professor, BARC	Member
2.	Prof. S. Laskar	Associate Professor and Nodal Officer, Tata Memorial Centre	Member
3.	Shri Swaminathan	Chief Administrative Officer, Heavy Water Board	Member
4.	Prof. Parnika Das	Professor & Dean Academics (Physical Sciences), VECC	Member
5.	Prof. R. Thangadurai	Professor & Dean (Students' Affairs), HRI	Member

6.	Prof. Harapriya	Associate Professor, NISER	Member
7.	Smt. K.S. Lakshmi	Head, Training School, NFC, Hyderabad	Member

M.1: Welcome address and opening remarks by VC, HBNI

Vice Chancellor welcomed all the participants to the meeting and emphasized the importance of IQAC in improving the academic and administrative processes of a University.

M.2: Introduction of new academic programmes from session 2021-22 by Dean, HBNI

Dean, HBNI presented the various academic programmes approved by academic council running under HBNI. There are total 48 programmes. He informed the Cell that NISER is planning to start M.Sc. programme in data science. VC, HBNI added that this programme could be useful for AMD as well as the data generated from geo exploration are of very big size and studies of such data is of importance. VC, HBNI also added that as our faculty members are involved in mission mode activities it is very important to upgrade their knowledge time to time. The cell was of the opinion that as a University we should be adding new programmes as per the requirement of the Department and society. IQAC members welcomed the proposal of adding new courses.

M.3: Presentation about India Ranking-2021 by National Institutional Ranking Framework (NIRF) by Prof. A.K. Dureja, Associate Dean, HBNI

Prof. Dureja presented outcome of participation of HBNI in NIRF-2021. He informed the cell that HBNI was placed at 18th rank in the University category as compared to 14th rank in the year 2020. HBNI has been ranked at 13th place in this category. In the Overall category, HBNI was placed at 36th place as compared to 30th place in the last year's ranking. This year NIRF had introduced a new category of Research Institutions. This year, 1657 academic institutions participated in this exercise under overall category. HBNI is participating in this endeavor since its inception in the year 2015. HBNI's performance is fairly good but if we emphasise on certain parameters, HBNI has potential to get better rank. One of the five major parameters, Teaching, Learning and Resources (TLR), based on which ranking is awarded, HBNI is consistently doing best in the country. However, in other parameters like Research and Professional Practice (RPP) and Perception, HBNI has lot of scope to improve on. VC informed the cell that Chairman, CoM has permitted to show affiliation of HBNI in the patent applications if any of the faculty members is involved in the work. The cell was also of the opinion that any advertisement (related to academics) from CIs / OCC of HBNI which goes in public domain, shall include logo of HBNI and its affiliation to HBNI as one of the Constituent Institution or Off-Campus Centre. The cell also opined that faculty members should put more and more online courses on Swayam platform with their HBNI affiliation to increase the visibility of HBNI in the public domain.

M.4: National Education Policy 2020 – Briefing by Prof. D.K. Maity, Associate Dean, HBNI

Prof. Maity informed the Cell that MHRD published National Education Policy (NEP) in 2020. Subsequently, UGC issued guidelines for implementation of NEP-2020 and a Gazette notification in July 2021. To study all the key features and provide recommendation for implementation of NEP-2020, Vice Chancellor, HBNI constituted a committee having members from all CIs/OCC nominated by respective Heads of the Institutions. The committee had two sessions of intense discussions and finally submitted its recommendation to HBNI. Prof. Maity described the key features of NEP-2020 those are of relevance to HBNI. He also highlighted a few recommendations of the committee and

sought suggestions of the IQAC. It was mentioned that NEP-2020 has provision to take academic break which may be very useful for HBNI M.Tech./M.Sc. (Engg.) students who are posted in remote areas after completion of their course works. These students could avail academic break for 1-2 years just after the completion of coursework of M.Tech./M.Sc. (Engg.) program with the permission of CI authorities. The other key features of NEP-2020 were also discussed

- i. Discontinuation of M.Phil. from the next academic year
- ii. Multiple entry and exit option for UG and PG students and
- iii. Compulsory teaching assistantship for doctoral students.

M.5: Online submission of synopsis and processing by Board of Studies

Prof. Dureja informed the cell about development of a new module on AnuVidhya portal for submission of Synopsis and other related documents by students after successful completion of Pre-Synopsis seminar. The concerned Dean-Academic will be able to upload the list of proposed examiners for the student. The Synopsis and list of proposed examiners will be accessible to Convener and all the members of concerned Board of Studies for the student. The members can select suitable examiners from the proposed list by voting for them. After a predetermined period, the Convener of the Board of Studies will access the data and can recommend the examiners to Central Office, HBNI, to process it for prioritisation of examiners. The members will have option to add some additional examiners as well and may give some comments on Synopsis also. The Convener, BoS will have access to all the remarks and suggestion, this will be helpful for him/her to make the final recommendation. Prof. Dutta suggested that after all the members have given their suggestions, Convener may call, if required, an online meeting to decide final list of examiners.

M.6: Institution of Special Awards – Dr. Sekhar Basu Memorial Award

Prof. Dutta described the cell about the genesis of founding Dr. Sekhar Basu Memorial Award. In this award, young engineers who have recently finished their M. Tech programme are considered. A committee was constituted by Vice-Chancellor, HBNI to call for nomination and select the awardee. A detailed list of parameters was evolved to cover candidates' performance in course work, project work, publications and the performance there after in the department. This year, two Alumni were selected for the award and four Alumni were given certificate of appreciation.

M.7: Value-added courses

A series of value-added course have been started to enrich the knowledge of students and faculty members. Some of these are

- Sarabhai Management Development programme for senior executives of DAE organization (30th August – 4th September, 2021): This programme was exclusively designed by HBNI senior officials with the help of faculty members from Indian Institute of Management Ahmedabad (IIMA). First batch of this programme was attended by 35 participants from NPCIL, BARC & BHAVINI.
- HBNI-INSTN joint course on "Corrosion Degradation in Light Water Reactors" planned from 6th to 10th of December, 2021: This joint course was conducted for Master/PhD students and young professionals. This course was conducted in Hybrid mode. In total, 84 participants attended this course.



- Foundation Course on Project Management of Nuclear Facilities planned from 14th of December, 2021 to 11th of February, 2022: This course has been introduced for the very first time to train the middle level executives of the department. The faculty members have been drawn from various DAE Units who have very rich experience of handling Nuclear Projects.
- Introduction to Research Methodology course – Prof. Tomar informed the cell that as per UGC guidelines, a course on ‘research methodology’ as well as a course on ‘research & publication ethics’ should be compulsory credit courses for all doctoral students registered after July 2019. HBNI has designed a composite course in 3 modules having 40 lecture hours and it will be a 4-credit course. Modules A and B will be conducted by HBNI and module C needs to be designed by respective CI/OCC as per their requirements.
- Course on French language and value-added course on High Pressure Physics – Prof. Ravikumar described the cell about the importance of the course on French Language as some of the Departmental officers have to go to France for joint projects e.g. ITER etc. This would be useful for better interaction while on an international project.

M.8: Knowledge upgradation of Scientific Staff in CIs – Prof. B.K. Dutta

Prof. Dutta informed the cell about the knowledge upgradation of Scientific Staff in CIs especially R&D units of DAE. This is actually Mid-Career Education Programme (MCEP) for DAE officials, where-in officer can upgrade their knowledge in the domain of their work.

M.9: Release of new website of HBNI on 14th of September, 2021 and hosting of online courses on HBNI website

Prof. Dureja informed the cell about release of new website of HBNI on Hindi Diwas i.e. 14th of September, 2021. The main characteristic of this new website is its adaptability to user’s screen size and its bilingualism. He also informed the cell that all value added courses are being populated now on the website so that all the students can refer these lectures as per their convenience.

M.10: HBNI-Industry linkage programme by Dean, HBNI

Prof. Naik informed the Cell about the creation of HBNI-Industry linkage Centre. He described Centre will facilitate the introduction of HBNI students/faculty members with Industry, internship of students in the industry by taking a break from the academics. This would be a win-win situation for both the Academia and Industry as students will get exposure of the industry and industry would get trained manpower. The faculty members of the Institute will also get an opportunity to undertake joint R & D project with industries. Prof. Mukhopadhyay enquired about the fellowship during the internship period. Dean informed that during this period student is expected to get stipend from the industry.

M.11: Sensitisation of students/faculty members regarding IPR related issues. Special webinar by Dr. Ganguly. Engagement of Dr. Ganguly as Honorary Professor in HBNI for three years.

Prof. Vasudeva Rao described the importance of intellectual Property Related issues and engagement of Dr. PrabuddhaGanguly as an Honorary Professor in HBNI. He informed the Cell about the expertise



of Dr. Ganguly in this area and offered his services to the faculty members/Students to discuss about any patents related queries.

M.12: Any other item with the permission of the Chair

As there were no more items, the meeting concluded with thanks to the chair and all the members and invitees.

A handwritten signature in blue ink, consisting of stylized, cursive letters that appear to be 'Jm' followed by a flourish.