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Ref.: HBNI/IQAC/7th Meeting/2020/400

21/07/2020

Subject: Approved Minutes of the 7th Meeting of the Internal Quality Assurance Cell (IQAC), HBNI held on 13th July, 2020 at Council Hall, HBNI, Anushaktinagar, Mumbai

Enclosed herewith please find the approved copy of the Minutes of the 7th meeting of IQAC, HBNI held on 13th July, 2020 at Council Hall, HBNI, Anushaktinagar, Mumbai.

(A.K. Dureja)
21/07/2020

Chairman, Members and Invitees in the IQAC meeting:

1. Prof. P. R. Vasudeva Rao	Vice Chancellor, HBNI	Chairman
2. Prof. P. D. Naik	Dean, HBNI	Member
3. Prof. G. Ravikumar	Head, SIRD, BARC	Member
4. Prof. D. K. Maity	Associate Dean, HBNI	Member
5. Prof. S. Mukhopadhyay	Head, Seismology Division, BARC	Member
6. Prof. S. Laskar	Nodal Officer, TMC	Member
7. Shri Vishnu Prasad S	Registrar, IMSc	Member
8. Shri A. K. Narang	Head, HRD & KM, HWB	Member
9. Mrs. Neena Bopaiah	Principal, AECS No.-5, Mumbai	Member
10. Shri Sandeep K. C.	Ph.D. Student, HWD, BARC	Member
11. Dr. B. Chandrasekar	Registrar, HBNI	Invitee
12. Dr. (Smt.) Anshu Singhal	SO/G, HBNI	Invitee
13. Prof. A. K. Dureja	Associate Dean, HBNI	Member Secretary

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21/07/2020

Minutes of 7th meeting of Internal Quality Assurance Cell (IQAC)

Minutes of seventh meeting of the Internal Quality Assurance Cell (IQAC), HBNI held at Council Hall, HBNI, Anushaktinagar, Mumbai on 13th July, 2020 is as follows:

Present:

1.	Prof. P. R. Vasudeva Rao	Vice Chancellor, HBNI	Chairman
2.	Prof. P. D. Naik	Dean, HBNI	Member
3.	Prof. D. K. Maity	Associate Dean, HBNI	Member
4.	Shri Sandeep K. C.	Ph.D. Student, HWD, BARC	Member (Through Video)
5.	Dr. B. Chandrasekar	Registrar, HBNI	Invitee
6.	Dr. (Smt.) Anshu Singhal	SO/G, HBNI	Invitee
7.	Prof. A. K. Dureja	Associate Dean, HBNI	Member Secretary

Members who could not attend:

1.	Prof. G. Ravikumar	Head, SIRD, BARC	Member
2.	Prof. S. Mukhopadhyay	Head, Seismology Division, BARC	Member
3.	Prof. S. Laskar	Nodal Officer, TMC	Member
4.	Shri Vishnu Prasad S	Registrar, IMSc	Member
5.	Shri A. K. Narang	Head, HRD & KM, HWB	Member
6.	Mrs. Neena Bopaiah	Principal, AECS No.-5, Mumbai	Member

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

Vice Chancellor welcomed all the participants to the meeting and indicated that the suggestions of members of IQAC are important in improving the processes in HBNI and welcomed inputs from one and all. VC also informed the members that Institutional Information for Quality Assessment (IIQA) for reaccreditation of HBNI had been filed in the first week of April, 2020. As soon as we receive the acceptance of IIQA, we need to submit the Self Study Report (SSR) within 45 days from the date of acceptance. Chairman welcomed recently joined Dr. Anshu Singhal from BARC to HBNI.   He

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emphasized that the meeting of IQAC must happen every quarter and the agenda of the meeting should be aligned with the Academic Calendar of the university e.g. July meeting should discuss the feedback of the outgoing students as most of our academic programme end during the month of June-July. Similarly in the October meeting, IQAC should discuss enrolments in various academic programmes as most of the enrolments are done by this time.

M.2: Presentation and Discussion on NIRF 2020

Prof. Dureja presented outcome of participation of HBNI in NIRF-2020. He happily informed the cell that HBNI was placed at 14th rank in the University category as compared to 17th rank in the year 2019. However, the ranking in the overall category did not change this year and it was same as the last year i.e. 30th. This year more than 3800 academic institutions participated in this exercise. 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) which goes in public domain from the side of any of the CIs/OCC of HBNI, must 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 to increase the visibility of the institution in the public domain.

M.3: Discussion on Program outcome attainment

The cell discussed the methodology to calculate Programme Outcome (PO), Programme Specific Outcome (PSO) and Course Outcome (CO). Based on detailed deliberation the cell came out with a methodology to calculate these parameters (Annexure-I).

M.4: Discussion on Faculty Induction program

Registrar briefed the cell about the faculty induction programme. Since last year, HBNI conducts faculty induction programme twice a year. The last induction took place on 1st of July, 2020 where in newly

inducted faculty members were briefed about the academic processes in HBNI. A brief presentation of Academic Ordinance was also done to familiarise newly inducted members.

M.5: Discussion on feedback received from outgoing student

Dr. Anshu Singhal discussed the feedback obtained from outgoing students. Most of them are Doctoral students. Most of the students are satisfied with the academic infrastructure of the institution. They strongly agreed with the contents of the courses offered, curriculum, capabilities of faculty members and teaching, research facilities, ICT facilities etc. One of the students had issues with mess facilities but almost all of them agreed to strongly recommend other students to enroll for academic programs of HBNI. While some of the students felt that curriculum should. be changed and examination system is stressful and needs improvement. Some of the students raised issues about ragging. Some of the students had issues with hostel, mess and recreational facilities provided. The cell opined that these issues need to be addressed on CI/OCC basis as these are not generic in nature but the issue of ragging should be dealt strongly. **We should have zero tolerance for ragging.**

M.6: 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.

Annexure-I

HBNI is a Research University established by DAE as an academic tool to develop indigenous strengths in nuclear science and technology. HBNI and DAE have been closely monitoring the results of the academic programs to assess whether the mandates have been met by the programs. Parameters such as publications in journals and development of new processes and products for the Department's program and for societal needs have been taken as broadly indicative of the attainment of the objectives of the academic program. In the context of HBNI, as a Deemed University, the methodology to be adopted for measuring the level of attainment of POs, PSOs and COs in quantitative terms was discussed in the IQAC, and based on its suggestions, a methodology based on the aggregate percentage of marks/CGPA was adopted for the measurement, except for the Research Orientated Programmes. It was decided to consider all POs, PSOs and COs in the particular programme to be of equal weightage and the attainment level in POs, PSOs and COs as equal to the programme level attainment. The programme level attainment on the scale of 1 to 3 was approved with the following methodology for calculation of level attainment for the programmes, in which the aggregate percentages are awarded.

Minimum pass % ≤ aggregate % < Minimum pass % + 5% , then Level=1

Minimum pass % + 5% ≤ aggregate % < Minimum pass % + 10%, then Level=2

Minimum pass % + 10% ≤ aggregate %, then Level=3

For the programmes in which grade point average system on a ten-point scale is implemented, the below mentioned level attainment formula was approved.

Qualifying CGPA to pass ≤ CGPA obtained < Qualifying CGPA +1, then Level=1

Qualifying CGPA +1 ≤ CGPA obtained< Qualifying CGPA +2, then Level=2

Qualifying CGPA +2 ≤ CGPA obtained, then Level=3

Program level attainment = $\sum n_i L_i /N$, where n_i is the number of students attaining the Level 'i' and 'N' is the total number of students in the programme.

% Program level attainment = (Program level attainment/3) x100

Research orientated programmes, such as M.Sc.(Engg), M.Phil., Integrated Ph.D. and Ph.D., are expected to impart advance knowledge in theory and experimental/computational techniques in the domain and related areas of the research problem, and development of analytical and critical thinking skills for solving complex applied/fundamental problems. Attainment of the non-research aspects is judged during the course work, practical and viva voce for M.Sc.(Engg) and M.Phil students. The Ph.D. students are judged at various stages by Oral General Comprehensive Examination, the number and quality of publications in conferences and refereed journals, pre-synopsis viva, and thesis examination by two external examiners. For all the research-orientated programmes, the degree is awarded only after the thesis work is successfully defended. Due to stringent criteria for passing the various performance assessment tests, all the degree holders in this category can be considered to have obtained the program attainment of 100%.

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