



KERALA UNIVERSITY OF FISHERIES AND OCEAN STUDIES

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Plan of Action based on Analysis of feedback



1. **Introduction to Feedback Collection:**

- Kerala University of Fisheries and Ocean Studies (KUFOs) elicits feedback on curriculum from all its stakeholders, viz: Students, Parents, Alumni, Employers, and Teachers.
- The feedback is collected in tune with the Curriculum implemented by the university.
- The feedback is collected through online and offline modes.

2. **Analysis of Feedback:**

- The feedback collected is analyzed and used in the following manner:
 - Department-wise curriculum restructuring
 - Review of Programme Specific Outcomes (PSOs)
 - Review of Course Outcomes (COs)
 - Mapping of Outcomes Identification of learning levels in terms of each course
 - Review and reframing the outcomes where necessary
- The feedback analysis is done at the end of each academic year.

3. **Utilization of Feedback:**

- Based on the Feedback Analysis, each Department is required to list out the areas where Gaps were identified in the curriculum content and delivery.
- Infrastructure facilities of the university have been developed in tune with the student's feedback.
- A central instrumentation lab was established based on the feedback.
- Content in the curriculum which needs review is identified.
- Effectiveness of Continuous Assessment practices like assignments, seminars, case studies, Laboratory practicals, and mentoring is assessed.

4. **Steps Following Feedback Analysis:**

- Course restructuring can be undertaken with due recommendation from the Board of Studies and the same is forwarded to the Academic council for approval.
- Total Programme Based restructuring is done after convening workshops on curriculum revision.
- Workshops on curriculum revision involve external experts and representatives from Industry and professional bodies.

5. **Conclusion:**

- The results of the feedback analysis are provided to each Faculty Development Council which convenes to discuss and deliberate on the same.

This rearrangement ensures a clear flow from the introduction of feedback collection, through its analysis and utilization, to the steps taken following feedback analysis, culminating in the overall curriculum restructuring process.

Action Taken Report

The Internal Quality Assurance Cell (IQAC) provides valuable information to the University authorities based on the feedback it receives from staff, students and stakeholders in improving the facilities in the university, providing new opportunities to diversify its reach in the public and to have a steadfast monitoring of the action that need to be taken based on these suggestions. Following are few such interventions in which IQAC was involved during the last five years.

Issue	Action taken
1. Curriculum Revision	KUFOS has invested substantial time and efforts to modify its curriculum. Among the four faculties OBE based curriculum has been implemented in two and other two follow a national curriculum which has initiated steps to implement OBE based curriculum according to the National Education Policy. The curricula of MSc, MBA and MTech are revised once every three years. IQAC has also been instrumental in conducting training programmes to faculties on Blended Learning Platforms in association with NARES and NAHEP, ICAR.
2. Elective/Ancillary courses	With the introduction of NEP 2020, KUFOS has provided ample opportunities for the students to avail elective courses from any other department or through MOOC programmes. Many students have registered in SWAYAM, NPTEL platform and KUFOS itself has started offering its own MOOC programmes.
3. Low Student to Teacher Ratio	During the start of the assessment period the student to teacher ratio was 32:1, however in spite of an increase in total student enrollment the present ration lies at 22:1 for the current academic year. This was achieved following recruitment of 14 new faculties.
4. Highly specific courses with little interdisciplinarity	Many programmes offered by KUFOS during its inception were highly specific with little takers. However, since last five years such courses have been modified by including general and multidisciplinary contents, and renamed in lines with other courses offered elsewhere. This has reduced the pain of attaining equivalency from other universities for higher studies.
5. Limited funding other than State Government	The bulk of the funding comes from the state government, however, during recent years KUFOS has made efforts to garner external funding to the tune of 28.2 crores from other central government agencies and institutes. These funds are specifically channelized for developing specific research and innovation ventures such as Business Incubation Centre and Referral lab in Aquatic Animal

	Health Management. Apart from this, faculty have been provided with seed money to initiate grass root level research on specific themes. The results from these preliminary studies help them propose for larger extra mural funding from other agencies.
6. Need for better infrastructure development	Each year nearly 50% of the total budget is now being apportioned to develop new infrastructure in the form of Academic buildings, Research labs, International Hostel, University Auditorium, and other student amenities. Efforts have also been made at the highest level to gather funds from NABARD, KIIFB, RKVY and other SPVs for improving the basic facilities in the university.
7. Improve global visibility	IQAC has taken special interest in introducing student and faculty exchange programmes in KUFOS. MoUs with international organizations and conduct of joint research and academic workshops under its ambit has taken a front seat in the annual planning. Every year students and faculty from KUFOS receive various international fellowships, travel grants and produce research publication through these collaborative efforts. Recently, KUFOS has been selected as a member of The University of the Arctic (UArctic), an international cooperative network of educational institutes with an interest in promoting education and research in the Arctic region.
8. Skill acquisition courses in the syllabus	Care has been given to include skill component in during the syllabus framing. Most of the programmes offered in KUFOS requires good practical instruction. The UG students are given special training in leading institutes in and around Kochi on these aspects. The Centre for Advanced Studies & Research in Entrepreneurship Development (CASRED) and KUFOS Business Incubation Centre (BIC) conducts various such programmes.
9. Less avenues for inter institute and international collaborations	KUFOS has made significant strides in developing interuniversity, inter institute and international collaborations. During this period KUFOS has signed more than 30 MoUs with leading national and international institutes aimed at student exchange and faculty collaborations in research and innovation. Nearly half of the PG & PhD students undergo their research work in these institutes.
10. Delay in the completion of programmes	A unified academic calendar has been implemented in the university. This is communicated to the Chancellor as well as students during the start of the academic session.

	Streamlining the examinations and camp valuation enables the results to be published within one month.
11.No system for taking student/stakeholder feedback	Though while applying for programme accreditation by ICAR or AICTE, feedback from students, stakeholders, or alumni have been collected in a rather unstructured way, IQAC found that teachers' quality feedback and student satisfaction survey need to be done more promptly. For this in 2020 an online survey to assess the quality of faculty was conducted for the Faculty of Fisheries Science through MS Teams. Later other faculties used Google forms for the ease of analyzing the data.
12. Alumni meet	KUFOS has one Registered Alumni Association which was registered as part of the erstwhile College of Fisheries, Panangad. The Chairman IQAC then decided to have separate Alumni association for each faculty and a by-law for the same was drafted. However, the alumni activities in other faculties except FFS is still at infancy.
13.UGC 12B status and NIRF ranking	Even after a decade of its establishment KUFOS had not received the 12B status of UGC which would enable it to avail additional grants. Unavailability of 12B also hindered with the ranking of the university and hence could not find place in the first NIRF ranking during 2020. KUFOS approached UGC for a 12B status during January 2021 and was awarded the 12B status in July 2021. The role of IQAC was pivotal in enabling this feat and which was reflected in it attaining 25 th rank in NIRF among Agriculture and allied universities category.
14. Service of a Medical Officer	Though KUFOS had taken steps to have a working arrangement with one of the leading hospitals near to its campus in case of medical emergency, there was a demand to have a medical practitioner stationed in the campus. The university has now appointed a Medical doctor and Counselor to take care of the physical and mental health of its staff and students.
15.Placement, Guidance and Counselling Cell	The placements and career guidance in KUFOS was done under individual faculties which usually were not well coordinated. Having understood the need for a centralized system, a common Placement, Guidance and Counselling Cell under the supervision of a senior faculty is presently functioning in the campus. This has streamlined the programmes such as personality development, student internships, Career guidance and campus interviews under a single-window system.
16.Implementation of NEP	There were a lot of apprehensions in the initial stages for

2020	the implementation of NEP especially credit transfer, multiple entry - exit and skilling up program. IQAC has taken the lead to implement NEP through a series of workshops, consultation meeting and participation in national level seminars and faculty development programmes.
17. NAAC Accreditation	IQAC has taken steps to prepare the university for NAAC accreditation. This includes interactive sessions with renowned experts in the field such as Dr. Sethuraman MG (NAAC peer team member), Dr. BS Ponmudiraj (NAAC Advisor), Dr. Sajimon Abraham (NAAC Coordinator, MG University) and Dr. V.M. Suresh (NAAC peer team member). A timeline of activities was prepared under a newly constituted IQAC committee including Criteria head and other Statutory officers.
18. Library Automation	There have been many feedbacks from the faculty and students alike to automate the library process. RFID barcode was introduced and digital repositories of PG and PhD thesis was initiated. Plagiarism software has been purchased and plagiarism checking has been made mandatory for all the publications from the University. The e-resources in the form of Consortium for e-Resources in Agriculture (CeRA), KNIMBUS and ScienceDirect has been included in the repository.
19. Student READY programmes	With a view to encourage entrepreneurship and business, an 'Earn While You Learn' scheme was implemented. Some of the ventures included opening a Sales Counter for the marketing of fresh fish and fishery products that the students prepared as part of their Experiential Learning program. Similarly, a Feed mill is also installed which the students can use for preparing fish feed.
20. Waste Disposal	Solid waste management was a huge problem which has been brought to the notice of the university authorities. KUFOIS strives to be a green and clean campus with zero tolerance towards plastic littering. The waste management system includes segregation of waste the source and processing the biowaste from the hostels in biogas plants. The manure so produced is used in the farms and vegetable gardens. The plastic and other solid wastes are being provided to government agencies for recycling.