Institute of Science, Nagpur

Report of Teachers', Alumni and students' Feedback on Curriculum

Teachers', Alumni and students' feedback is an important parameter for quality improvement of the curriculum and the quality of the student of the institution.

The feedback on curriculum is collected every year from the stakeholders, evaluated by the Feedback committee and necessary updates are carried in the curriculum design and syllabus for the betterment of the student community.

After the completion of the academic session 2021-22, a separate feedback was collected from all four stakeholders i.e. Students, Teachers, Alumni, and Employers regarding curriculum.

Mode of Collection:

Feedback was collected from students, teachers, alumni & curriculum in online mode through separate Google Forms for each category.

Number of Responses Received:

Responses received from different stakeholders are mentioned below:

Stakeholder	No. of Responses Received
Students	166
Teachers	39
Alumni	57
Employer	10

ALUMNI FEEDBACK REPORT

Alumni are the best stakeholder for providing feedback regarding curriculum as they experience both the sides, i.e. theoretical knowledge and practical applicability. On one hand, they have completed their curriculum, hence, are closely familiar with all its aspects and can give honest opinion without any hesitation and on the other hand, they also experience its significance in the real world after completing the course.

 Keeping this point in mind, a separate questionnaire was used to collect feedback from alumni regarding curriculum.

The suggestions by ALUMNI ,TEACHERS and STUDENTS were almost the same .
Some **general suggestions** applicable to all subjects are as follows

1 Almost all of them suggested the need to update the syllabus of all subjects according to industry demands, trending situations in past years.
2 Need to design the syllabus taking into consideration the competitive exams in the respective subjects.
3 Inclusion of Internship program for PG course as a part of curriculum, to get experience in the relevant field.
4 Suggestion to introduce add on courses to improve communication skill and presentation sk**ills**
5 To follow Standards and patterns of top universities like Indian Institute of Science and Delhi University.
6 To introduce Personality development and yoga training programs as add on courses which will help to reduce stress

Suggestions related to some specific subjects are given below.

Statistics

1 The statistics alumni were of the opinion that Indian Statistical service (I S S),UPSC syllabus is more vast and quite different from our syllabus therefore student selection ratio in these services is low.

2 They also appreciated the fact that Practicals are taken on R software but PYTHON should be added along with it.

3 Programming skills must be focused on.

4 Introduction of Data science course in the list of programs offered

5 More focus should be given on connecting Statistics with real life by taking real life examples.

Zoology

1 It was suggested that the course should be more industry and research oriented. More applied aspects and techniques should be included.

2 Depth of the curriculum was mentioned as comprehensive and satisfactory.

3 Streams like bioinformatics, biochemistry, genetics, molecular biology, immunology should be more practical oriented.

4 More applied aspects and techniques should be included.

5 Emphasis should be given on topics related to applied Zoology like, fisheries, apiculture, sericulture, pearl culture, vermicompost, forestry, haematology etc.

Employer Feedback Analysis and Report

The Institute makes sure that the learning imparted here serves the industries' growth. A large number of students pass out every year. Some of them pursue higher studies for their academic endeavors, rest of the students prefer to work. A questionnaire is shared with these employers seeking their observations about their employees (who are alumni of our Institute).

In 2021-22 , Institute of Science has taken feedback from different stakeholders on curriculum of all the Masters Programe offered by the Institute .Under the guidance of Internal Quality Assurance Cell, all Departments in the Institute has collected feedback through Google form from employers who have hired our students and has analyzed the data received from the employers and submitted a consolidated report of it to IQAC.

The Employers were offered to describe their perception driven from their employee's performance on a five point scale ranging between Excellent, Very Good, Good, Average and Poor.

The feedback on the current curriculum by the employers (Industry Experts) and their views as per the current scenario. Add-on and Value added courses are designed based on this feedback. Placement cell also takes cognizance of this feedback while organizing training sessions.

For example, R programming skills are listed as a job requirement on thousands of jobs in the fields of statistics and data analysis as it is highly flexible and evolving. R's commercial applications increase by the minute, and companies appreciate its versatility.

A Certificate course in R was introduced in the Institute by the Department of Statistics in 2013 and also UG and PG practical are now conducted using R so that students get hands-on experience in R. This helps them to gain confidence at the time of facing the interview.

A National level workshop on Applied Statistics for Industry was organized by Statistics Department in association with **Cytel, Pune** on 8 & 9 February 2020 to know the expectations of Industry from Statistics students .Dr A P Gore , Experienced statistical consultant with a demonstrated history of working in industry , Currently Working as Consultant in CYTEL Pune ,Applied Statistician and retired Professor ,University of Pune guided the students on this occasion

Feedback collected from all stakeholders is analyzed and suggestions received from them are conveyed to the IQAC and Director for further action and improvement.

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