

Attainment of COs, PSOs and POs shall be measured using direct and indirect methods. The direct methods are those in which students express the skills and knowledge through class tests, assignments, quiz competitions, academic ragging etc. While in indirect method we measure the attainment through the feedback of the employer and from the teacher in the institute where the students pursue higher education. Weights assigned to direct and indirect measurement are 80% and 20% respectively.

Direct Measure

In order to measure the attainment of COs it is proposed to transform APEP (which are conducted regularly) into a CO based pattern. The faculty members shall choose the type of assessment apt for measuring the corresponding CO. The assessment type shall be test paper, assignments, quiz, viva, question paper preparation, question paper solving etc. The entrusted faculty member should decide the assessment strategy they use for measuring the corresponding course outcome in advance. Each outcome should be measured at least twice to ensure that those students who are missing the classes due to health or other unforeseen causes are included. The instructor may consider more assessments instead of two if he/she is interested. The instructor shall assign weights to various assessment tools that are used to measure the respective outcome. The respective weights shall be an integer value. For example for measuring a CO related to communication skill a seminar shall be given more weightage than a written examination. As there are options in the internal examinations they cannot be used for measuring the outcomes. The COs are transferred into grades based on the following criterion.

Percentage of Marks	Grade	Grade Weight
80% - 100%	A	3
60% - 80%	B	2
40% - 60%	C	1
Less than 40%	D	0

The weighted average of these grade weights are used for measuring the respective CO attained by the student for that particular course. Hence corresponding to every student, we have the values of CO which lies between 0 and 3.

A matrix representing the relationship connecting CO with PO and PSO has to be specified by the instructor along with CO and PSO. These relationships are denoted by the numbers 0, 1, 2 and 3 where 0 denotes no relationship and 3 indicates strongest relationship. A weighted arithmetic mean of the CO values with respective weights of PO and PSO yields the attainment for respective PO and PSO. Clearly these too will range between 0 and 3. Hence corresponding to each

course every student has values for each of the PO and PSO ranging between 0 and 3.

The weighted average of these values weighted with the respective credit gives the PO/PSO attainment level, which ranges between 0 and 3.

In the indirect method a questionnaire with equal weightage for each question will be given to all the students who are pursuing higher studies or getting placed. These scores will also be changed to 0 to 3 as mentioned in table 1. This data has to be collected between 15 months and 18 months after the completion of the course.

The academic performance of students is monitored on a regular basis in order to raise the standards of the academic results obtained. The institution focuses on Outcome Based Evaluation . The College has adopted a system of evaluation of the attainment of Programme, Programme Specific and Course Outcome and deficits cemented through remedial measures. The attainment is closely monitored by faculty in charges of the course.

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Direct Measure

Academic Practice Performance Enhancement

Academic Performance Enhancement Practice, involves the evaluation of student learning over a course of time. By interpreting student's performance through assessment and sharing the results with them, instructors help students to realize their strengths and All the departments conduct brainstorming sessions, quizzes, group discussions, mock viva and tests on various topics which are basically revisionary in nature. The conduct of the assessment will be informed prior to the assessment and the students are given ample time to revise the portions. Academic Performance Enhancement Practices (APEP) have become part of continuous assessment, making the continuous evaluation process more effective and is conducted in addition to the two internal exams each semester.

This has been introduced from 2016 onwards with the intention of assessing the students on a regular basis. These test papers are conducted from 12:30 to 1:00 pm everyday on portions specified by the teacher at an earlier date. The core and complementary courses will have six zero hour tests while common course and language have four exams per course. These test papers are mostly MCQs which are peer valued and the marks published in the class itself.

Internal Assessment Test Papers

Two test papers are to be conducted in each semester for each course. The evaluations of all components are to be published and are to be acknowledged by the candidates. All documents of internal assessments are to be kept in the college for one year and shall be made available for verification by the University. The responsibility of evaluating the internal assessment is vested on the teacher(s), who teach the course.

The frequency of Internal Examination is as mandated by the university. The students have to write two internal exams each one of 1 hour 30 minutes duration per semester. The exams are conducted directly by the departments with the help of the Exam cell of the college. The exam question papers are prepared on the date mandated in the academic calendar.

Model Examinations: At the end of each semester, model examinations are conducted by the college as part of summative evaluation of programme specific outcome and course outcome.

Mode of Internal assessment is as prescribed by the university. Proper weightage is given for attendance and seminars /assignments. Monthly attendance sheets are published by each department. Seminars are conducted by the science departments and are evaluated by the students grounded on the RUBRICS provided to them by the teachers. 20% of the marks are awarded by the students and the remaining 80% by the teachers. Open book tests are also regularly done in the classes. It has been decided that one APEP has to be conducted online through the college LMS.

As the question paper is modelled on the university question pattern, it acquaints the students with the question pattern. Questions from previous year university question papers are included in the internal exam question paper.

External Examination and Project

The external examination of all semesters shall be conducted by the University at the end of each semester. All students have to do a project. This project can be done individually or as a group of 3 students. The projects are to be identified during the II semester of the programme with the help of the supervising teacher. The report of the project in duplicate is to be submitted to the department at the sixth semester and are to be produced before the examiners appointed by the University.

Evaluation is time bound. The answer scheme along with the linked Course Outcome (CO) is published in LMS of the college after the conduct of exams.