



HISLOP COLLEGE,

Nagpur

Mechanism for Measurement of Attainment of Programme & Course Outcomes

The attainment of Programme and Course Outcomes is evaluated by the institution through a number of measurable pointers like student results, progression and placements.

For the analysis of the attainment of learning outcomes a mechanism has been devised at the institutional level that encompasses direct and indirect pointers that are a representative of student quality as well as their holistic development. The pointers and the mechanism are defined under;

MECHANISM

The coverage of Learning Outcomes is the PO, PSO and CO. It reflects on the graduate attributes.

In order to measure the attainment of the learning outcomes, certain parameters have been selected and the mechanism of indexing on a 5 point weighted scale has been drafted. The parameters have been classified as DIRECT and INDIRECT as follows

A. DIRECT POINTERS

The results have been used as the most evident parameter for estimation of attainment of Learning Outcomes. Department specific results have been used for measuring Course Outcomes. Weighted Index of pass percentage of the students and the percentage of students placed in First division have been taken to calculate the average weighted index for CO. Results for the all the programmes for the entire assessment period has been used for indexing Programme Outcomes.

1. The CO have been indexed on a weighted scale of 1 to 5 in a year wise manner.
2. The PO & PSO have been indexed on a weighted scale of 1 to 5 for the entire assessment period.

POINTERS	1	2	3	4	5
Pass Percentage	Below 50	50 -60	60-70	70-80	Above 80
Percentage of Students securing above 60%	Below 10	10-20	20-30	30-40	Above 40

B. INDIRECT POINTERS

To assess the holistic development of the students, indirect pointers of Achievements, Placement & Progression and Feedback from stake holders have been considered on a 5 point weighted index. These will be a reflection on the attainment of PO and PSO and will be measured for the overall period of assessment.

The pointers have been indexed as follows

1. Student Achievement

Merit positions acquired by students at University level have been programme wise indexed through a weighted scale.

2. Placement & Progression

The students placed as well as their progression to institutes for higher learning has been indexed annually through a weighted scale as follows

POINTERS	1	2	3	4	5
Number of merit Positions	Distinction but not merit	1	2	3	Above 3
Number of Placements & Progression	Upto 10% of the students passed	10 to 20 % the students passed	20 to 25 % the students passed	25 to 30 % the students passed	More than 30% of the students passed

3. Feedback

Feedback of the following stakeholders was analysed on a scale of 1-5. The stakeholders were;

- i. Alumni
- ii. Employers
- iii. Parents

OVERALL WEIGHTAGE

The overall learning outcome has been calculated with the weightage of

- 80% - direct pointers
- 20% - indirect pointers

The formula used for LO comes to


$$\text{LO} = 0.80X \text{ (Overall Average of Direct Pointer Score on a scale of 1 to 5)} \\ + 0.20X \text{ (Overall Average of Indirect Pointer Score on a scale of 1 to 5)}$$

ATTAINMENT OF LEARNING OUTCOMES

- Weighted Index of Direct Pointers = 4.49
- Weighted Index of Indirect Pointers = 2.93
- Attainment of Outcomes = $0.80 \times \text{INDEX OF Direct Outcomes}$
 $+ 0.20 \times \text{INDEX OF Indirect Outcomes}$
 $= 0.80 \times 4.49 + 0.20 \times 2.93$
 $= 4.178$

The method has been conceptualized at the institutional level for assessing the attainment of outcomes as well as moderating the effectivity of TSA


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