SOP for assigning Course Outcome (CO) attainment level for each course based on continuous assessment

Important feature of the CO attainment measuring scheme-

- ➢ This scheme is based on the sessional marks obtained, assignment submitted and presented and the attendance of the students.
- ➢ **The attainment level is distributed between maximum 4 to minimum 0. (This range will be kept constant for all the courses).**
- ➢ CO attainment level will be measured for each course which will in turn be mapped to PO attainment level.

Procedure for measuring the CO attainment level

First step:

The instructor will first add the sessional, attendance and assignment marks with proper weightage to get a total marks (as shown in table-1) which will be later used for mapping CO attainment level .

Table 1 (CBCS)

Name	Sessional Marks (20)	Sessional Marks (10)	Attendance (4)	Assignment (6)	Total 20
A	16	8	3	4	15

Second step:

Second, the instructor will choose a distribution to map the total marks obtained with the attainment level. If the total marks obtained have a range of 0-20, then it can be mapped with the attainment level 0-4 as follows.

Table-2

Total Marks (cbcs)	Attainment Level
13-20	4 (Excellent)
9-12	3 (Good)
6-8	2 (Satisfactory)
3-5	1 (Poor)
0-2	0 (Very Poor)

Third Step:

Third, following Table -2, each student can be assigned an attainment level depending on his/ her total marks obtained as illustrated below.

Name	Sessional Marks 20	Sessional Marks (out of 10)	Attendance (4)	Assignment (6)	Total (20)	Attainment Level
A	16	8	3	4	15	4
B	10	5	2	2	10	3
C	6	3	2	1	6	2

Fourth Step:

Fourth, an overall CO attainment level can be obtained for all the enrolled students of the course by calculating the average of their individual attainment level.

For example, if the total marks obtained by students A, B, C, D and E are 15, 13, 10, 5 and 1 respectively, then overall CO attainment level of the course can be calculated as:

Students	Total Marks	Attainment level	Overall CO attainment level $= \dfrac{\sum attainment\ level}{total\ no\ of\ students}$
A	15	4	
B	13	4	
C	10	3	
D	6	2	=(4+4+3+2+0)/5
E	1	0	=2.6