

Rayat Shikshan Sanstha's
Chandrabai-Shantappa Shendure College, Hupari

DEPARTMENT OF ENGLISH

Academic Year: 2023-24

Mechanism for framing Learning Outcomes and Measuring their Attainment

● **Defining the Vision and Mission of the Department.**

Vision

To empower students in the rural drought-prone area of western Maharashtra through the study of English language and literature, fostering critical thinking, creativity, and communication skills that will enable them to thrive in a rapidly changing world.

Mission

1. To provide high-quality education in English language and literature to students in the rural drought-prone area of western Maharashtra, equipping them with the skills and knowledge necessary for personal and professional success.
2. To cultivate a love for literature, language, and creative expression among students, encouraging them to explore diverse cultural perspectives and develop their own unique voices.
3. To foster a supportive and inclusive learning environment that values diversity, promotes collaboration, and celebrates the rich heritage of the region.
4. To prepare students to be effective communicators, critical thinkers, and lifelong learners who can adapt to the demands of the 21st century globalized world.
5. To engage with the local community and leverage resources to create opportunities for students to apply their English language skills in real-world contexts, contributing to the socio-economic development of the region.

Attainment of COs:

The CO attainment levels are measured based on the results of the internal assessment and external examination conducted by the university. The CO attainment level based on internal assessment and external assessment are computed separately.

Attainment levels based on internal/external assessment method are defined as follows:

Level 1: Average of student marks belongs to the class 0% - 20% for that assessment method

Level 2: Average of student marks belongs to the class 20% - 40% for that assessment method

Level 3: Average of student marks belongs to the class 40% - 60% for that assessment method

Level 4: Average of student marks belongs to the class 60% - 80% for that assessment method

Level 5: Average of student marks belongs to the class 80%-100% for that assessment method

Let α and β be the CO attainment level of the course based on external assessment and internal assessment respectively. The overall CO attainment of the course is calculated by taking 100% weight age to external assessment .

$$\alpha = \frac{\alpha + \beta}{2}$$

Let $ALC_1, ALC_2, \dots, ALC_m$ be the attainment levels of the courses C_1, C_2, \dots, C_m respectively.

The overall course attainment levels are categorized as below,

Level 1: Poor – if $0 < ALC_i \leq 1$,

Level 2: Average – if $1 < ALC_i \leq 2$,

Level 3: Good – if $2 < ALC_i \leq 3$,

Level 4: Very Good – if $3 < ALC_i \leq 4$,

Level 5: Excellent – if $4 < ALC_i \leq 5$.

For every course, we have set Very Good – Attained as target level that is we are aiming minimum level 4 (Very good) and how the course status is attained in the performance of abilities of students.

At the end we will have attainment levels of all the courses,

ID	Course name	α_i	Level	Status
1	Course_1	4	Very Good	Attained
2	Course_2	4	Very Good	Attained
3	Course_3	3	Good	Not Attained
4	Course_4	3	Good	Not Attained
5	Course_5	4	Very Good	Attained
6	Course_6	3	Good	Not Attained
7	Course_7	4	Very Good	Attained
8	Course_8	4	Very Good	Attained
9	Course_9	4	Very Good	Attained
10	Course_10	4	Very Good	Attained
11	Course_11	4	Very Good	Attained
12	Course_12	3	Good	Not Attained
13	Course_13	3	Good	Not Attained
14	Course_14	4	Very Good	Attained
15	Course_15	4	Very Good	Attained
16	Course_16	4	Very Good	Attained

Step 7: Calculation of attainment levels of PO's and PSO's.

➤ Attainment of PO's & PSO's:

The attainment of PO's & PSO's are calculated using direct method. In direct method the attainment of PO's & PSO's are calculated through the attainment levels of courses. The course attainment values (ALC_i , $i = 1, 2, 3, \dots, m$.) and the overall level of relation of course with each PO and PSO ($X_{i, l}$, $i = 1, 2, 3, \dots, m$, $l = 1, 2, 3, \dots, n$.) are used to compute direct attainment level of each PO and PSO.

Direct Assessment: Direct attainment level of the l^{th} , PO's & PSO's is calculated as follows.

$$DALP_l = \frac{1}{\sum_{i=1}^m x_{i,l}} \sum_{i=1}^m x_{i,l} * ALC_i, l=1,2,\dots,n.$$

ID	Course name	ALC _i	X _{i, l}	ALC _i * X _{i, l}
1	Course_1	4	2	8
2	Course_2	4	1.5	6
3	Course_3	3	3	9
4	Course_4	3	3	9
5	Course_5	4	0	0
6	Course_6	3	3	9
7	Course_7	4	1.5	6
8	Course_8	4	2.5	10
9	Course_9	4	3	12
10	Course_10	4	3	12
11	Course_11	4	1.5	6
12	Course_12	3	1	3
13	Course_13	3	2.5	7.5
14	Course_14	4	2.5	10
15	Course_15	4	2.5	10
16	Course_16	4	1.5	6
	Sum	59		123.5
	$DALP_l = 123.5/59$		2.0932	

Similarly, we have to find attainment levels of all PO's and PSO's.

Sr. No.	ALC _i	X _{i, .,1}	X _{i, .,2}	X _{i, .,3}	X _{i, .,4}	X _{i, .,5}	X _{i, .,6}	X _{i, .,7}	X _{i, .,8}
1	4	2	1	3	2.5	1	2	2.5	3
2	4	1.5	1.5	1.5	3	1.5	2	3	3
3	3	3	1.5	3	1.5	2	2	3	3
4	3	3	0.5	3	1.5	2	1	2.5	3
5	4	0	3	1.5	1.5	2	1	2	2.5
6	3	3	0	3	2	2.5	2	3	3
7	4	1.5	1.5	2.5	2.5	2	1.5	2.5	3
8	4	2.5	1.5	2.5	1.5	1.5	1.5	2.5	3
9	4	3	2	2.5	1.5	2	2	3	3
10	4	3	2	2.5	1.5	2	2	3	2.5
11	4	1.5	3	2	2.5	1.5	2.5	1.5	3
12	3	1	1	2	2.5	2	1	2	2.5
13	3	2.5	3	3	1	3	0.5	3	3
14	4	2.5	2.5	2	2.5	2.5	2	3	3
15	4	2.5	2.5	2	2.5	2.5	2	3	3
16	4	1.5	3	2.5	3	2	3	2.5	3
Sum	59	34	29.5	38.5	33	32	28	42	46.5

Sr. No.	ALC _i * X _{i,.,1}	ALC _i * X _{i,.,2}	ALC _i * X _{i,.,3}	ALC _i * X _{i,.,4}	ALC _i * X _{i,.,5}	ALC _i * X _{i,.,6}	ALC _i * X _{i,.,7}	ALC _i * X _{i,.,8}
1	8	4	12	10	4	8	10	12
2	6	6	6	12	6	8	12	12
3	9	4.5	9	4.5	6	6	9	9
4	9	1.5	9	4.5	6	3	7.5	9
5	0	12	6	6	8	4	8	10
6	9	0	9	6	7.5	6	9	9
7	6	6	10	10	8	6	10	12
8	10	6	10	6	6	6	10	12
9	12	8	10	6	8	8	12	12
10	12	8	10	6	8	8	12	10
11	6	12	8	10	6	10	6	12
12	3	3	6	7.5	6	3	6	7.5
13	7.5	9	9	3	9	1.5	9	9
14	10	10	8	10	10	8	12	12
15	10	10	8	10	10	8	12	12
16	6	12	10	12	8	12	10	12
Sum	123.5	112	140	123.5	116.5	105.5	154.5	171.5
<i>DALP</i> ₁	2.0932	1.8983	2.3729	2.0932	1.9746	1.7881	2.6186	2.9068

Step 8: Comparison of target level with obtained PO attainment.

In this step the target level of PO's and PSO's attainment are compared with obtained *DALP*₁

Attainment levels are defined as stated below.

Level 1: Poor – if $0 < ALC_i \leq 1$,

Level 2: Average – if $1 < ALC_i \leq 1.5$,

Level 3: Good – if $1.5 < ALC_i \leq 2$,

Level 4: Very Good – if $2 < ALC_i \leq 2.5$,

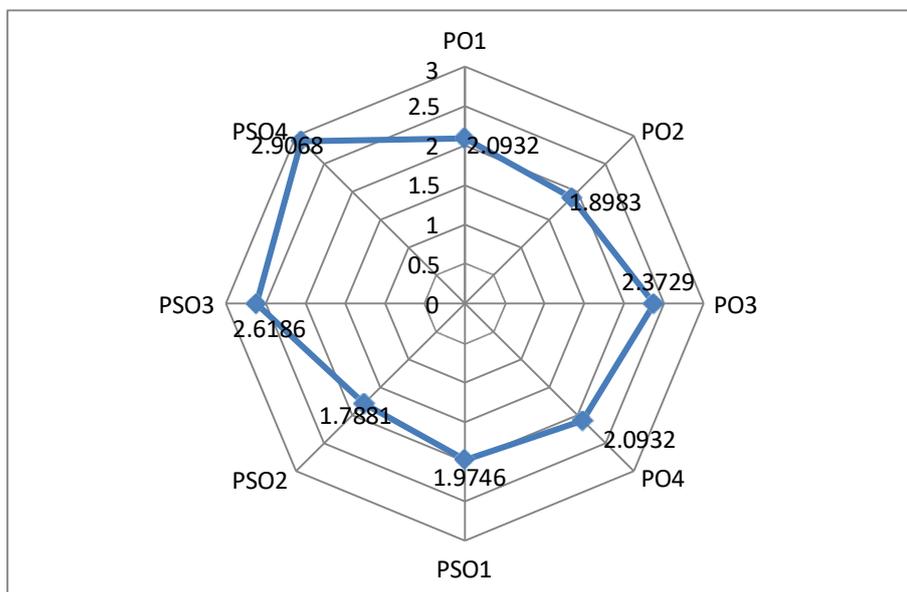
Level 5: Excellent – if $2.5 < ALC_i \leq 3$.

For every PO's and PSO's, we have set level 4 as target level that is we are aiming minimum level 4 (Very good) in the performance of abilities of students.

Attainment level of all the POs and PSOs

PO's	$DALP_i$	Level	Status
PO1	2.0932	Very Good	Attained
PO2	1.8983	Good	Not Attained
PO3	2.3729	Very Good	Attained
PO4	2.0932	Very Good	Attained
PSO1	1.9746	Good	Not Attained
PSO2	1.7881	Good	Not Attained
PSO3	2.6186	Excellent	Attained
PSO4	2.9068	Excellent	Attained

P_i attainment target level say, 4, indicates that, the department is aiming minimum level-4(very good) in the performance of abilities of students.



Step 9: Planned actions:

Remedial Actions:

Planned actions for course attainment: Courses having course level less than level-4 are addressed by designing the different remedial measures like assignment/tutorials/remedial teaching.

Planned actions for program outcome attainment: PO's and PSO's with level attainment less than level-4 are addressed by planning remedial measures for the corresponding courses with respect to than P_i .