

**Shikshan Prasarak Sanstha's
Padmabhushan Vasantodada Patil Mahavidyalaya, Kavathe Mahankal**

DEPARTMENT OF ENGLISH

Academic Year: 2019-20

Mechanism for framing Learning Outcomes and Measuring their Attainment

Step 1: 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.

Step 2: Defining Program Outcomes (PO's) and Program Specific Outcomes (PSO's) of the program.

Programme Outcomes (PO) B.A.

After completion of BA Programme student will be able to,

PO 1: Get insights into the socio-economic and political issues at local to global.

PO 2: Good employability Skills as per the current need of society to compete in the competitive world.

PO 3: Capable for addressing complex social and environmental issues from a problem oriented interdisciplinary perspective and also assess the its impact on the environment and society.

PO 4: To foster the practice of creative writing and studies in applied language skills.

Programme Specific Outcome (PSO)

PSO 1: After completion of the B.A. in English, students will communicate in English effectively which will be helpful to improve professional and social ethics.

PSO 2: Students will be confident at Listening, Speaking, Reading, and Writing skills.

PSO 3: Students will be a good reader of the literature and it will make them to study the different cultures through the literature.

PSO 4: Literature will change their attitude towards the personal and social life and it will be helpful to

make them sensible person and responsible citizen.

Course Outcomes (CO)

Course 1: Modern Indian Writing in English Translation I

After successfully completing this course students will be able to:

CO 1.1: Understand the translated modern Indian Literature in English

CO 1.2: Study the short story as a form of Literature.

Course 2: Modern Indian Writing in English Translation II

After successfully completing this course students will be able to:

CO 2.1: Develop the literary competence among them.

CO 2.2: Study the poetry as a form of literature.

Course 3: Literature and Cinema I

After successfully completing this course students will be able to:

CO 3.1: Understand the film and its relationship to literature.

CO 3.2: Develop the critical approaches to engage with film adaptation.

Course 4: Partition Literature I

After successfully completing this course students will be able to:

CO 4.1: Create an awareness of partition scenario among them.

CO 4.2: Elaborate on the impact of partition on society.

Course 5: Literature and Cinema II

After successfully completing this course students will be able to:

CO 5.1: Acquire film literacy through working knowledge of basic film technology.

CO 5.2: Understand the issues and practices of cinematic adaptation.

Course 6: Partition Literature II

After successfully completing this course students will be able to:

CO 6.1: Understand the partition literature through short stories.

CO 6.2: Explain the hidden human dimensions of the partition.

Course 7: Introduction to Literary Criticism-I

After successfully completing this course students will be able to:

CO 7.1: Understand the major trends in criticism

CO 7.2: Interpret critical concepts.

Course 8: English Poetry-I

After successfully completing this course students will be able to:

CO 8.1: Trace the development of English Poetry from the days of Shakespeare to the contemporary India.

CO 8.2: Appreciate and Analyse poems properly.

Course 9: English Drama-I

After successfully completing this course students will be able to:

CO 9.1: Understand the different forms of Drama.

CO 9.2: Relate the drama to their ideological or Socio-political context.

Course 10: English Novel- I

After successfully completing this course students will be able to:

CO 10.1: Understand the different forms of Novel.

CO 10.2: Relate the Novel to their ideological or Socio-political context.

Course 11: Language and Linguistics-I

After successfully completing this course students will be able to:

CO 11.1 Understand the concept of communication

CO 11.2: Get knowledge of verities of the English Language.

Course 12: Introduction to Literary Criticism-II

After successfully completing this course students will be able to:

CO 12.1: Study the original contribution to literary criticism.

CO 12.2: Understand the meaning and appreciate the poems Critically.

Course 13: English Poetry-II

After successfully completing this course students will be able to:

CO 13.1: Understand the poetry gives intellectual, moral and linguistic pleasures.

CO 13.2: Get knowledge of poetry various cultures and traditions.

Course 14: English Drama-II

After successfully completing this course students will be able to:

CO 14.1: Improve their creative and imaginative faculties through the reading of drama.

CO 14.2: Know about various aspects of the drama.

Course 15: English Novel- II

After successfully completing this course students will be able to:

CO 15.1: Improve their creative and imaginative faculties through the reading of novel.

CO 15.2: Know about various aspects of the Novel.

Course 16: Language and Linguistics-II

After successfully completing this course students will be able to:

CO 16.1: Know the different levels of study of the English Language.

CO 16.2: Understand the Basic Units of Grammar.

Step 4: Defining relation between Course Outcomes (COs) and POs/PSOs for each course to obtain overall CO mapping with each POs/PSOs. (Course Articulation Matrix)

In this step, CO's of each course are mapped with PO's & PSO's. A correlation is established between CO's and PO's / PSO's in the scale of 0 to 3. 0 if there is no correlation between CO's and PO's / PSO's, 1 being low, 2 being median and 3 being high.

For example, suppose program XYZ (say) has 4 PO's & 4 PSO's. Then, course articulation matrix for a course – 1 (say) with two CO's is as follows.

CO's – PO's & PSO's mapping matrix (1-low, 2-medium, 3-high, 0-No correlation)

CO's	PO's / PSO's							
	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
CO 1.1	2	1	3	2	1	2	3	3
CO 1.2	2	1	3	3	1	2	2	3

In the same way we have course articulation matrices for all courses in that Program.

CO's – PO's & PSO's mapping matrix (1-low, 2-medium, 3-high, 0-No correlation)

CO's	PO's / PSO's							
	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
CO 1.1	2	1	3	2	1	2	3	3
CO 1.2	2	1	3	3	1	2	2	3
CO 2.1	1	2	1	3	2	2	3	3
CO 2.2	2	1	2	3	1	2	3	3
CO 3.1	3	1	3	1	2	2	3	3
CO 3.2	3	2	3	2	2	2	3	3
CO 4.1	3	0	3	2	2	1	3	3
CO 4.2	3	1	3	1	2	1	2	3
CO 5.1	0	3	1	2	1	1	1	2
CO 5.2	0	3	2	1	3	1	3	3
CO 5.3	3	0	3	2	2	2	3	3
CO 5.4	3	0	3	2	3	2	3	3
CO 6.1	1	1	2	3	2	1	3	3
CO 6.2	2	2	3	2	2	2	2	3
CO 7.1	3	1	2	2	1	1	2	3

CO 7.2	2	2	3	1	2	2	3	3
CO 8.1	3	2	2	2	1	2	3	3
CO 8.2	3	2	3	1	3	2	3	3
CO 9.1	3	2	2	2	1	2	3	3
CO 9.2	3	2	3	1	3	2	3	2
CO 10.1	2	3	2	3	2	3	2	3
CO 10.2	1	3	2	2	1	2	1	3
CO 10.3	1	1	2	3	2	1	2	3
CO 10.4	1	1	2	2	2	1	2	2
CO 11.1	2	3	3	1	3	1	3	3
CO 11.2	3	3	3	1	3	0	3	3
CO 12.1	2	3	1	2	3	2	3	3
CO 12.2	3	2	3	3	2	2	3	3
CO 13.1	2	3	1	2	3	2	3	3
CO 13.2	3	2	3	3	2	2	3	3
CO 14.1	2	3	3	3	2	3	2	3
CO 14.2	1	3	2	3	2	3	3	3
CO 15.1	2	1	3	2	1	2	3	3
CO 15.2	2	1	3	3	1	2	2	3
CO 16.1	1	2	1	3	2	2	3	3
CO 16.2	2	1	2	3	1	2	3	3

Step 5: Development of overall CO's-PO's mapping matrix for all courses (Program Articulation Matrix).

The CO levels corresponding to each PO/PSO in course articulation matrix are averaged to obtain overall level of relation of course with each PO & PSO. For example, the overall relation of course – 1 (say) are reported the following matrix.

CO's	PO's / PSO's							
	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
CO 1.1	2	1	3	2	1	2	3	3
CO 1.2	2	1	3	3	1	2	2	3
Average ($X_{1,..,l}$)	2	1	3	2.5	1	2	2.5	3

Similarly, the overall level of relation of all the courses in the program is established. These levels are reported in the matrix form and this matrix is called as the program articulation matrix. For example, if the program XYZ has 16 courses then the program articulation matrix will be as follows.

Program Articulation Matrix

ID	Course name	$X_{i,..,1}$	$X_{i,..,2}$	$X_{i,..,3}$	$X_{i,..,4}$	$X_{i,..,5}$	$X_{i,..,6}$	$X_{i,..,7}$	$X_{i,..,8}$
C_1	Course_1	2	1	3	2.5	1	2	2.5	3
C_2	Course_2	1.5	1.5	1.5	3	1.5	2	3	3
C_3	Course_3	3	1.5	3	1.5	2	2	3	3
C_4	Course_4	3	0.5	3	1.5	2	1	2.5	3
C_5	Course_5	0	3	1.5	1.5	2	1	2	2.5
C_6	Course_6	3	0	3	2	2.5	2	3	3
C_7	Course_7	1.5	1.5	2.5	2.5	2	1.5	2.5	3
C_8	Course_8	2.5	1.5	2.5	1.5	1.5	1.5	2.5	3
C_9	Course_9	3	2	2.5	1.5	2	2	3	3
C_{10}	Course_10	3	2	2.5	1.5	2	2	3	2.5
C_{11}	Course_11	1.5	3	2	2.5	1.5	2.5	1.5	3
C_{12}	Course_12	1	1	2	2.5	2	1	2	2.5
C_{13}	Course_13	2.5	3	3	1	3	0.5	3	3
C_{14}	Course_14	2.5	2.5	2	2.5	2.5	2	3	3
C_{15}	Course_15	2.5	2.5	2	2.5	2.5	2	3	3
C_{16}	Course_16	1.5	3	2.5	3	2	3	2.5	3

Step 6: Methodology for measuring of Course Outcomes (CO's), Program Specific Outcomes (PSO's) and Program Outcomes (PO's) and setting up the target level.

In this step, methodology for measuring the attainment level of learning outcomes is defined and the target levels for the batch are defined.

➤ **Methodology for the attainment of learning outcomes for this year:**

Details of a program:

- Name of the Program: XYZ
- Program has n_1 PO's, say, $PO_1, PO_2, \dots, PO_{n_1}$
- Program has n_2 PSO's, say, $PSO_1, PSO_2, \dots, PSO_{n_2}$

Let $n = n_1 + n_2$, total number of PO's and PSO's.

- For convenience, let us denote the PO's & PSO's $PO_1, PO_2, \dots, PO_{n_1}, PSO_1, PSO_2, \dots, PSO_{n_2}$ by P_1, P_2, \dots, P_n
- Program has m courses, say, C_1, C_2, \dots, C_m
- Each course C_i has k course outcomes (CO's) denoted as $CO_{i,1}, CO_{i,2}, \dots, CO_{i,k}$, $i = 1, 2, \dots, m$. and k represents the number of outcomes particularly that of course.

Course articulation matrices and program articulation matrix are obtained as discussed in previous steps. Let $X_{i,j,l}$ be the level of correlation of $CO_{i,j}$ with P_l where, $i = 1, 2, \dots, m$, $j = 1, 2, \dots, k$, $l = 1, 2, \dots, n$. Then, the overall CO levels with PO's & PSO's of course C_i is computed as $X_{i,l} = \frac{1}{k} \sum_{j=1}^k X_{ijl}$. Here k be the number of outcomes in the average course taken.

➤ **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 ALC_E and ALC_I 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 .

$$ALC = ALC_E.$$

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 Good – Attained as target level that is we are aiming minimum level 3 (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	ALC_i	Level	Status
C_1	Course_1	4	Very Good	Attained
C_2	Course_2	3	Good	Attained
C_3	Course_3	3	Good	Attained
C_4	Course_4	3	Good	Attained
C_5	Course_5	3	Good	Attained
C_6	Course_6	3	Good	Attained
C_7	Course_7	4	Very Good	Attained
C_8	Course_8	4	Very Good	Attained
C_9	Course_9	4	Very Good	Attained

C_{10}	Course_10	4	Very Good	Attained
C_{11}	Course_11	4	Very Good	Attained
C_{12}	Course_12	4	Very Good	Attained
C_{13}	Course_13	3	Good	Attained
C_{14}	Course_14	4	Very Good	Attained
C_{15}	Course_15	4	Very Good	Attained
C_{16}	Course_16	3	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 ($X_{i, \dots, l}$, $i = 1, 2, 3, \dots, m$, $l = 1, 2, 3, \dots, n$.) are used to compute direct attainment level of each PO and PSO.

Direct Assessment: Direct₁attainment level of the l^{th} , PO's & PSO's is calculated as follows.

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

ID	Course name	ALCi	$X_{i, \dots, l}$	$ALC_i * X_{i, \dots, l}$
C_1	Course_1	4	2	8
C_2	Course_2	3	1.5	4.5
C_3	Course_3	3	3	9
C_4	Course_4	3	3	9
C_5	Course_5	3	0	0
C_6	Course_6	3	3	9
C_7	Course_7	4	1.5	6
C_8	Course_8	4	2.5	10
C_9	Course_9	4	3	12
C_{10}	Course_10	4	3	12
C_{11}	Course_11	4	1.5	6
C_{12}	Course_12	4	1	4
C_{13}	Course_13	3	2.5	7.5
C_{14}	Course_14	4	2.5	10
C_{15}	Course_15	4	2.5	10
C_{16}	Course_16	3	1.5	4.5
				121.5
Sum		57		
$DALP_l = 121.5/56$			2.1316	

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	3	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	3	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	4	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	3	1.5	3	2.5	3	2	3	2.5	3
Sum	57	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	4.5	4.5	4.5	9	4.5	6	9	9
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	9	4.5	4.5	6	3	6	7.5
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	4	4	8	10	8	4	8	10
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	4.5	9	7.5	9	6	9	7.5	9
Sum	121.5	105.5	136.5	118.5	113	100.5	149	165.5
<i>DALP</i> ₁	2.1316	1.8509	2.3947	2.0789	1.9825	1.7632	2.614	2.9035

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 $2 < ALC_i \leq 2.5$,

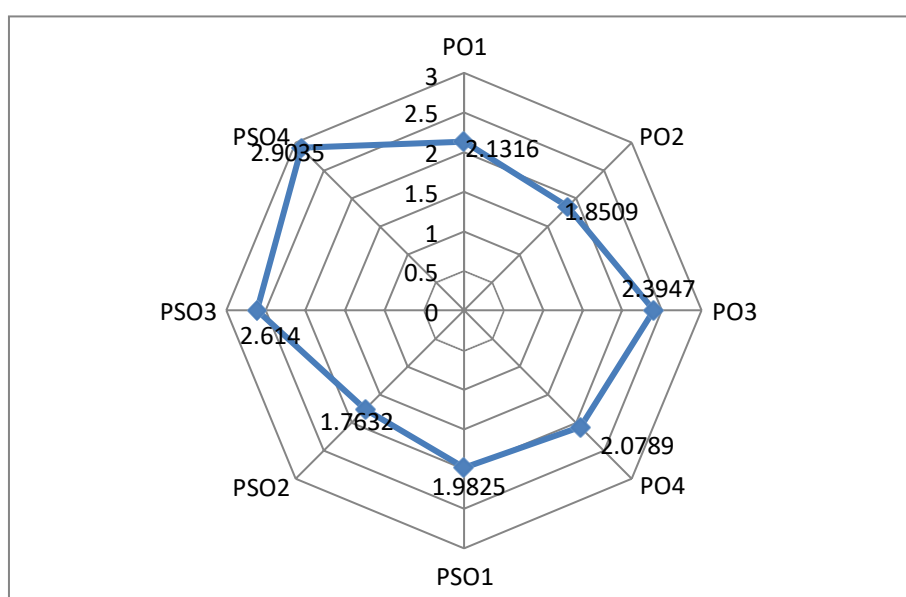
Level 5: Excellent – if $2.5 < ALC_i \leq 3$.

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	2.1316	Very Good	Attained
PO2	1.8509	Good	Not Attained
PO3	2.3947	Very Good	Attained
PO4	2.0789	Very Good	Attained
PSO1	1.9825	Good	Not Attained
PSO2	1.7632	Good	Not Attained
PSO3	2.614	Excellent	Attained
PSO4	2.9035	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-3 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 P_i .