Shetkari Shikshan Prasarak Mandal's

KRISHNA MAHAVIDYALAYA, RETHARE BK DEPARTMENT OF COMMERCE

COMMERCE OBE PROCESS

Academic Year 2018-2019

1. Course- Program outcome Matrix: The Program Outcomes are developed through the curriculum (curricular/co-curricular extra-curricular activities). The program outcomes are attained through course implementation. As an educator, one must know, "to which POs his/her course in contributing?" So that one can design the learning experiences, select teaching methods and design the tool for assessment. Hence, establishing the Corse-PO matrix is an essential step in the OBE. The course-program outcomes matrix indicates the correlation between the courses and program outcomes. The CO-PO matrix is the map of the list of courses contributing to the development of respective Pos.

The Template is provided in the table below

Sr. No	Course Title	A	В	С	D	Е	F	G
1.	Business Environment	1		1	1	√		
2.	Business Regulatory Framework	√	1		1	1	1	1
3.	Modern Management Practices	√		1	1	1		1
4.	Co-operative Development	√			1	1		
5.	Advanced Accountancy I	$\sqrt{}$	V		1		1	
6.	Advanced Accountancy II		V		1		1	1
7.	Business Environment			V	1	1		
8.	Business Regulatory Framework	$\sqrt{}$	1	1	1	1	1	$\sqrt{}$
9.	Modern Management Practices	$\sqrt{}$		1	$\sqrt{}$	1		$\sqrt{}$
10.	Co-operative Development	$\sqrt{}$			1	1		
11.	Advanced Accountancy III	$\sqrt{}$	$\sqrt{}$		1		$\sqrt{}$	
12.	Advanced Accountancy IV	$\sqrt{}$	$\sqrt{}$		1		1	$\sqrt{}$

2. Course Outcomes (for all courses):

The course outcomes are the statement that describes the knowledge & abilities developed in the student by the end of course (subject) teaching. The focus is on development of abilities rather than mere content. There can be 5 to 7 course outcomes of any course. These are to be written in the specific terms and not in general. The list of Course Outcomes is the part of **Annexure-C** attached herewith.

3. Set Target levels for Attainment of Course Outcomes:

The course outcome attainment is assessed in order to track the graduates' performance w.r.t target level of performance. The CO-PO attainment is the tool used for continuous improvement in the graduates' abilities through appropriate learning & teaching strategies. In order to assess students' performance with respect to abilities (at the end of course teaching/by the end of program) the course outcome attainment are measured/calculated. In order to calculate the program outcome attainment, the course outcome attainment is calculated. Prior to that, the course-program outcome mapping is done.

4. Set Target level for Attainment of Program Outcomes:

The program outcome attainment is assessed in order to track the graduates' performance w.r.t target level of performance. The CO-PO attainment is the tool used for continuous improvement in the graduates' abilities through appropriate learning & teaching strategies. In order to assess student's performance with respect to abilities (at the end of course teaching/by the end of program) the course outcome attainment and program outcome attainment is measured/calculated. The program outcome attainment is governed by curricular, co-curricular and extra-curricular activities including the stakeholders' participation. The direct method and indirect method is adopted to calculate the PO attainment. The direct method implies the attainment by course outcomes contributing to respective program outcomes. And indirect method is the satisfaction/feed-back survey of stakeholders. In order to calculate the program outcome attainment, the course outcome attainment is calculated. Prior to that, the course-program outcome mapping is done. The set target level is the set benchmark to ensure continuous improvements in the learners/ graduates' performance.

5. Course Attainment Levels:

- a) CO attainment is defined/set at three levels;
- b) The CO attainment is based on end term examination assessment and internal assessment;
- c) The Co attainment is defined at three levels in ascending order

i. e.g. For en	d term and	internal	examination;
1. 0.6. 1 01 011	a term and	iniccinal	exammation.

Sr. No	Level	CO Attainments
1.	Level-1:	30% students scored more than class average
2.	Level-2:	40% students score more than class average
3.	Level-3	50% students score more than class average

The target level is set (e.g. Level-2). It indicates that, **the current target is level-2**; **40% of students score more than class average.** The CO attainment is measured and the results are obtained. Based on the results of attainment, the corrective measures/remedial action are taken.

e.g. CO Attainment= 80% (Attainment level in end term examination) + 20% (Attainment level in internal examination)

6. Program attainment Level:

a. PO attainment is defined at five levels in ascending order;

b. The PO attainment is based on the average attainment level of corresponding courses (Direct Method) and feed-back survey (Indirect method);

c. The PO attainment levels are defined/set as stated below;

Sr. No	Level	PO Attainments
1.	Level-1:	Poor: Greater than 0.5 and less than 1.0 (0.5>1
2.	Level-2:	Average: 1.0 to 1.5
3.	Level-3	Good: 3: 1.5 to 2.0
4.	Level-4	Very Good: 2.0 to 2.5
5.	Level-5	Excellent: 2.5 to 3.0

- d. The PO attainment target level is set/defined (say, Level-4). It implies that, the department is aiming at minimum level-4 (very good) in the performance of abilities by the graduates. Based upon the results of attainment, the remedial measures are taken;
- e. PO Attainment= 80% (Average attainment level by direct method) + 20% (Average attainment level by indirect method).

7. The Results of CO Attainment: The Results of CO Attainment is provided in Annexure-B

FOR EXAMPLE COURSE CODE/TITLE: Business Environment

E.g. For end-term and internal examination;

- i. Level-1: 30% students scored more than class average
- ii. Level-2: 40% students score more than class average;
- iii. Level-3: 50% students score more than class average

Business Environmen	t		
Average Marks in External examination:		23	
% Students score more than 23 is =20		62.5	Level: 3
Average Marks in Internal examination		8	
% Students score more than 8 is =26		81.25	Level: 3
	=	80% (3)	+20 (3)
	=	2.4+0.6	
	=	3	

Business Regulatory Framework				
Average Marks in External examination:	16			
% Students score more than 16 is =23	71.87	Level: 3		
Average Marks in Internal examination	7			
% Students score more than 7 is =33	100	Level: 3		
=	80% (3)	+20 (3)		
=	2.4+0.6			
=	3			

Modern Management Practic	ces		
Average Marks in External examination:		22	
% Students score more than 22 is =20		62.5	Level: 3
Average Marks in Internal examination		7	
% Students score more than 7 is = 33		100	Level: 3
	=	80% (3)	+20 (3)
	=	2.4+0.6	
	=	3	

Co-operative Development				
Average Marks in External examination:	23			
% Students score more than 23 is = 19	59.375	Level: 3		
Average Marks in Internal examination	8			
% Students score more than 8 is =27	84.375	Level: 3		
=	80% (3)	+20 (3)		

=	2.4+0.6
=	3

Advanced Accountancy I			
Average Marks in External examination:		18	
% Students score more than 18 is = 17		53.125	Level: 3
Average Marks in Internal examination		7	
% Students score more than 7 is = 33		100	Level: 3
	=	80% (3) -	+20 (3)
	=	2.4+0.6	
	=	3	

Advanced Accountance	y II		
Average Marks in External examination:	-	18	
% Students score more than 18 is =23		71.875	Level: 3
Average Marks in Internal examination		7	
% Students score more than 7 is =33		100	Level: 3
	=	80% (3)	+20 (3)
	=	2.4+0.6	
	=	3	

Business Environmer	ıt		
Average Marks in External examination:		22	
% Students score more than 22 is = 22		61.29	Level: 3
Average Marks in Internal examination		8	
% Students score more than 8 is = 33		100	Level: 3
	=	80% (3)	
	=	2.4+0.6	
	=	3	

Business Regulatory Fram	ework		
Average Marks in External examination:		19	
% Students score more than 19 is = 23		74.194	Level: 3
Average Marks in Internal examination		9	Devel 5
% Students score more than 9 is = 33		100	Level: 3
	=	80% (3)	
	=	2.4+0.6	
	=	3	

Modern Management Practices			
Average Marks in External examination:		19	
% Students score more than 19 is = 22		70.97	Level: 3
		10	
Average Marks in Internal examination		100	Level: 3
% Students score more than 10 is = 33	=	80% (3) +20 (3)	
	=	2.4+0.6	
	=	3	

Co-operative Developmer	ıt		
Average Marks in External examination:		23	
% Students score more than 23 is =22		70.97	Level: 3
Average Marks in Internal examination		8	
% Students score more than 8 is =33		100	Level: 3
% Students store more than 6 is -55	=	80% (3)	+20 (3)
	=	2.4+0.6	
	=	3	

Advanced Accountancy III		
Average Marks in External examination:	18	
% Students score more than 18 is = 22	70.96	Level: 3
Average Marks in Internal examination	9	
% Students score more than 9 is = 33	100	Level: 3
70 Students Scote Meter states	80% (3)	+20(3)
=	2.4+0.6	
=	3	

Advanced Accountancy IV		
Average Marks in External examination:	16	
% Students score more than 16 is = 23	74.19	Level: 3
Average Marks in Internal examination	9	
% Students score more than 9 is = 21	30.30	Level: 3
7/ Board	80% (3) +20 (3)	
=	= 2.4+0.6	
=	3	

Hence, the attainment level is Level-3 and the set target level is Level-2 and therefore the CO is Fully attained.

Table No. 1.0: CO Attainment Level

Course Title	Course Attainment Value	Target Attainment Level	Fully Attained/ Not Attained	Remedial Measures
Business Environment	3	2	Fully Attained	
Business Regulatory	3	2	Fully Attained	
Framework				
Modern Management Practices	3	2	Fully Attained	
Co-operative Development	3	2	Fully Attained	
Advanced Accountancy I	3	2	Fully Attained	
Advanced Accountancy II	3	2	Fully Attained	
Business Environment	3	2	Fully Attained	
Business Regulatory	3	2	Fully Attained	
Framework			·	
Modern Management Practices	3	2	Fully Attained	
Co-operative Development	3	2	Fully Attained	
Advanced Accountancy III	3	2	Fully Attained	
Advanced Accountancy IV	3	2	Fully Attained	

8. The Results of PO Attainment:

The Results of PO attainment are provided in Annexure-B

FOR EXAMPLE: PO NO.: a (Note: Refer to point No. 11 above which describes the attainment level and set target attainment level).

PO Attainment= 80% (Average attainment level by direct method) + 20% (Average attainment level by indirect method).

Hence the course level is attained

(PSOs-B) =
$$80\%$$
 (3+3+3+3+3+3)/06 + 20% (3+3+3+3+3+3)/06 = 80% (3) + 20% (3) = 3i.e. Level-5. The Target Level is Level-3. Hence the course level is attained

(PSOs-C) = 80% (3+3+3+3+3+3)/06 + 20% (3+3+3+3+3+3)/06 = 80% (3) + 20% (3) = 3i.e. Level-5. The Target Level is Level-3.

Hence the course level is attained

Hence the course level is attained

(PSOs-E) =
$$80\%$$
 (3+3+3+3+3+3+3+3)/08 + 20% (3+3+3+3+3+3+3+3)/08 = 80% (3) + 20% (3) = 3i.e. Level-5. The Target Level is Level-3

Hence the course level is attained.

(PSOs-F) =
$$80\%$$
 (3+3+3+3+3+3)/06 + 20% (3+3+3+3+3+3)/06 = 80% (3) + 20% (3) = 3i.e. Level-5. The Target Level is Level-3.

Hence the course level is attained

(PSOs-G) =
$$80\%$$
 (3+3+3+3+3+3)/06 + 20% (3+3+3+3+3+3)/06 = 80% (3) + 20% (3) = 3i.e. Level-5. The Target Level is Level-3.

Hence the course level is attained

Table No. 2.0 PSO Attainment Level

PO/PSO Number	PO/PSOs Attainment Value	ttainment		Fully Attained/ Not Attained	Remedial Measures
		Level	Value		
POs-A	3	5	3	Fully Attained	
POs-B	3	5	3	Fully Attained	
POs-C	3	5	3	Fully Attained	
POs-D	3	5	3	Fully Attained	
POs-E	3	5	3	Fully Attained	
POs-F	3	5	3	Fully Attained	
POs-G	3	5	3	Fully Attained	

9. Planned Actions for Course Attainment:

The courses for which the level attained is less than Level-2, the remedial measures will be taken in plan way that includes, tutorial, assignments, field work and remedial coaching.

10. Planned Actions for Program Outcome Attainment:

Not Applicable.

ANNEXURE-B RESULTS OF CO-PO ATTAINMENT

Sr. No	Course Title	PSO-A	PSO-B	PSO-C	PSO-D	DCO E	DCC =	-
1.	Business Environment	3	ТЗОВ	3	3	PSO-E	PSO-F	PSO-C
						3		
2.	Business Regulatory	3	3	3	3	3	3	3
	Framework					3	3	3
3.	Modern Management	3		3	3	3		3
	Practices							3
4.	Co-operative	3			3	3		
	Development					3		
5.	Advanced Accountancy	3	3		3		3	
	I			7			3	
6.	Advanced Accountancy	3	3		3		3	3
	II						5	3
7.	Business Environment	3		3	3	3		
8.	Business Regulatory	3	3	3	3	3	3	3
	Framework							5
9.	Modern Management	3		3	3	3		3
	Practices							3
10.	Co-operative	3			3	3		
	Development							
11.	Advanced Accountancy	3	3		3		3	
	III						3	
12.	Advanced Accountancy	3	3		3		3	3
	IV						5	3
	Average	3	3	3	3	3	3	3
								3

CPatil V.S.) HOD

Krista OCICHA SABIRICA

Principal
Krehna Mahavidyalaya, Rethare 8k,
Tal. Karad : 415 108 (M.S)