



## *CO-PO Gap Analysis Template*

Version 1.0, Date: 3<sup>rd</sup> July. 2019

DEPARTMENT :

Date:

**CO's to PO's & PSO's mapping**

Name of the course :  
Name of the Faculty/s :

Sub Code :  
Sem & Sec :

Course Outcomes	Modules covered	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
		CO1															
CO2																	
CO3																	

PROGRAM OUTCOMES(PO), PROGRAM SPECIFIC OUTCOMES(PSO)				CORRELATION LEVELS	
PO1	Engineering knowledge	PO7	Environment and sustainability	0	No Correlation
PO2	Problem analysis	PO8	Ethics	1	Slight/Low
PO3	Design/development of solutions	PO9	Individual and team work	2	Moderate/ Medium
PO4	Conduct investigations of complex problems	PO10	Communication	3	Substantial/ High
PO5	Modern tool usage	PO11	Project management and finance		
PO6	The Engineer and society	PO12	Life-long learning		
PSO1					
PSO2					
PSO3					
PSO4					

**1. Justification for levels of correlation for COs & POs/PSOs**

**2. Analysis on previous attainments and setting targets on CO attainments for current semester subjects.**

**Note:** If new subject was introduced this time and previous analysis was not there then set only the target value for current sem randomly.

Couse Outcome	Attainment Level for last year	Target for current exam	Attainment Level of current year	Gap	Gap Analysis
CO1					
CO2					
CO3					
CO4					
CO5					

**CO-PO attainment computation formula along with Rubrics**

Attainment contribution of CX to PO\* through IA is,  

$$PO * IACX = \frac{\sum CRL \times ALIACOX}{3n}$$
 Attainment contribution of CX to PO\* through UE is,  

$$PO * UEEX = \frac{\sum CRL}{3n} \times ALUECX$$

$$\therefore \text{Attainment contribution of CX to PO* is,}$$

$$ALPO * CX = 0.2 \times PO * IACX + 0.8 \times PO * UEEX$$

CRL – Correlation level  
 CO-PO\* - CO-PO correlation for a particular PO  
 ALIACOX – Attainment level through IA for CX  
 ALUEEX – Attainment level through UE for CX

**Rubrics for internal assessment test**  
 60% Stud >= 70% of max marks allocated to CO: ATT 3  
 50% Stud >= 70% of max marks allocated to CO: ATT 2  
 40% Stud >= 70% of max marks allocated to CO: ATT 1  
 else ATT 0

**Rubrics for external assessment test**  
 60% Stud > 55% MARKS: ATT 3  
 50% Stud > 55% MARKS: ATT 2  
 40% Stud > 55% MARKS: ATT 1  
 else ATT 0

**3. Final CO attainment w.r.t PO and PSO**

Final CO attainment value	CO-PO and CO-PSO attainment															
	CO-PO1	CO-PO2	CO-PO3	CO-PO4	CO-PO5	CO-PO6	CO-PO7	CO-PO8	CO-PO9	CO-PO10	CO-PO11	CO-PO12	CO-PSO1	CO-PSO2	CO-PSO3	CO-PSO4

Course Instructor Signature/s